

SERVICE MANUAL

DV VIDEO CASSETTE RECORDER

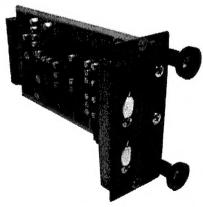
BR-DV6000U/E SA-X61U/SA-X62U



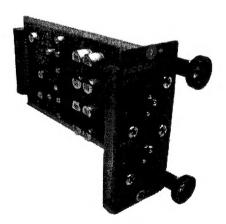
- BR-DV6000U/E -







- SA-X61U -(AUDIO XLR IN BOARD)



- SA-X62U - (AUDIO XLR OUT BOARD)

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Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

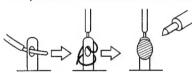
Precautions during Servicing

- Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.
- 2. Parts identified by the ⚠ symbol and shaded () parts are critical for safety.

Replace only with specified part numbers.

Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

- Fuse replacement caution notice. Caution for continued protection against fire hazard. Replace only with same type and rated fuse(s) as specified.
- Use specified internal wiring. Note especially:
 - 1) Wires covered with PVC tubing
 - 2) Double insulated wires
 - 3) High voltage leads
- Use specified insulating materials for hazardous live parts. Note especially:
 - 1) Insulation Tape 2) PVC tubing
- 3) Spacers 4) Insulation sheets for transistors
- 5) Barrier
- When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.



- Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)
- Check that replaced wires do not contact sharp edged or pointed parts.
- When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

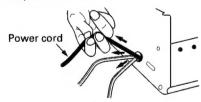


Fig.2

- 10. Also check areas surrounding repaired locations.
- 11. Products using cathode ray tubes (CRTs) In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

Crimp type wire connector

In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.

- 1) Connector part number: E03830-001
- 2) Required tool: Connector crimping tool of the proper type which will not damage insulated parts.
- 3) Replacement procedure
 - (1) Remove the old connector by cutting the wires at a point close to the connector.

Important: Do not reuse a connector (discard it).



Fig.3

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.



Fig.4

(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

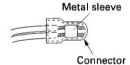


Fig.5

(4) As shown in Fig.6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.



Fig.6

(5) Check the four points noted in Fig.7.

Crimped at approx. center Not easily pulled free of metal sleeve Conductors extended Wire insulation recessed more than 4 mm

Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions, Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Insulation resistance test

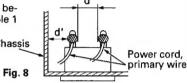
Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

2. Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

3. Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.



4. Leakage current test

Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).

Measuring Method: (Power ON)

Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

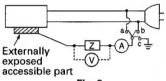


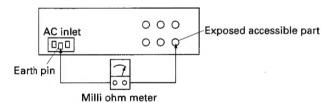
Fig. 9

5. Grounding (Class I model only)

Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).

Measuring Method:

Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.



Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	Z ≤ 0.1 ohm
Europe & Australia	Z ≤ 0.5 ohm

Fig. 10

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V	1	R ≥ 1 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≥ 3 mm
100 to 240 V	Japan	K ≤ 1 10112/500 V DC	AC 1.5 kV 1 miute	d, d' ≥ 4 mm
110 to 130 V	USA & Canada	_	AC 900 V 1 minute	d, d' ≧ 3.2 mm
110 to 130 V 200 to 240 V	Europe & Australia	R ≥ 10 MΩ/500 V DC	AC 3 kV 1 minute (Class II) AC 1.5 kV 1 minute (Class I)	d ≥ 4 mm d' ≥ 8 mm (Power cord) d' ≥ 6 mm (Primary wire)

Table 1 Specifications for each region

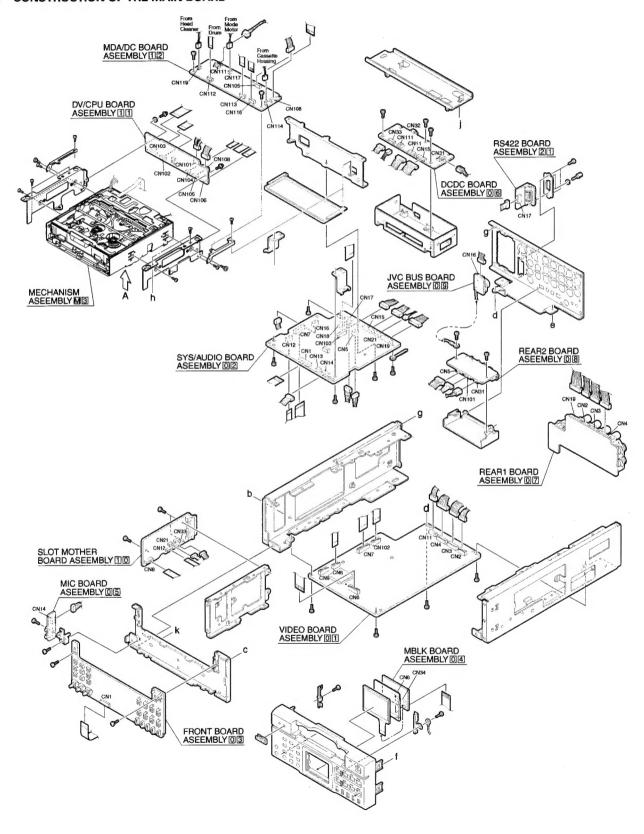
AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan	ο	i ≤ 1 mA rms	Exposed accessible parts
110 to 130 V	USA & Canada	0.15 μF 1.5 kΩ	i ≦ 0.5 mA rms	Exposed accessible parts
110 to 130 V	Europe & Australia	ο—ο 2 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Antenna earth terminals
220 to 240 V	Europe & Australia	o	i ≦ 0.7 mA peak i ≦ 2 mA dc	Other terminals

Table 2 Leakage current specifications for each region

Note: These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

SECTION 1 SERVICE CAUTIONS AND DISASSEMBLY

1.1 CONSTRUCTION OF THE MAIN BOARD



1.2 HOW TO REMOVE THE OUTER COVER

1.2.1 Top cover

- (1) Remove the four screws 1.
- (2) Remove the top cover while lifting the rear part of it.



Fig. 1.2.1

1.2.2 Bottom cover

- (1) Loosen the six screw 2.
- (2) Remove the bottom cover while sliding to a rear side.

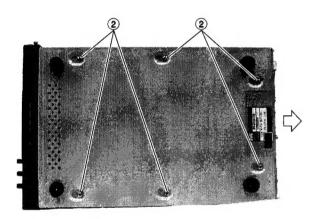


Fig. 1.2.2

1.2.3 Front panel

- (1) Remove the top cover.
- (2) Remove the front panel while releasing the four hooks.

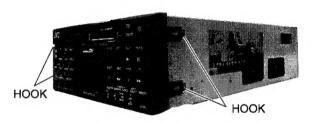


Fig. 1.2.3

1.2.4 Insulator

- (1) Remove the two screws 3.
- (2) Remove the insulator.

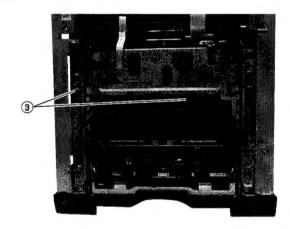


Fig.1.2.4

1.3 HOW TO REPLACE THE FUSE

- (1) Disconnect the DC power cable before replace the fuse.
- (2) Remove the top cover.
- (3) Find the fuse F1 on the MDA/DC board.

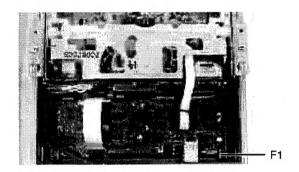


Fig. 1.3.1

- (4) Remove a bracket of the DCDC board according to procedure 1.4.6.
- (5) Find the fuse F1 on the DCDC board.

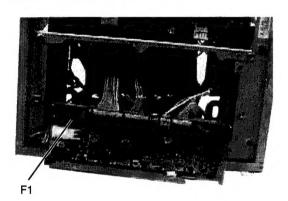


Fig. 1.3.2

- CAUTION -

- Before replacing the fuse, investigate and identify the cause of the blow out to prevent further damage.
- The fuse is an important item for safety. Please be sure to replace it with a fuse that has the specified parts numbers.

1.4 HOW TO EXAMINE THE BOARDS

1.4.1 VIDEO board assembly

- (1) Remove the bottom cover to examine the B-aide of the video board.
- (2) Remove the four screws 4 to examine the A-side.

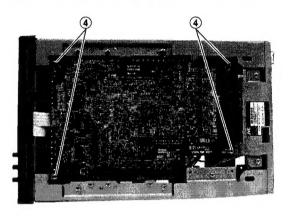


Fig. 1.4.1(1)

(3) Pull down the video board as shown in Fig. 1.4.1(2).

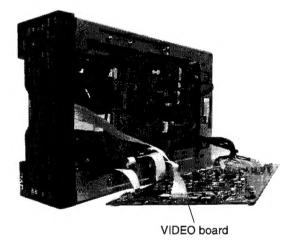


Fig. 1.4.1(2)

CAUTION -

Keep a distance to a minimum from the unit, because this FFC cable may be damaged.

1.4.2 SYS/AUD board assembly

- (1) Pull down the video board to examine the B-side of the SYS/ AUD board.
- (2) Remove the four screws (5) to examine the A-side.

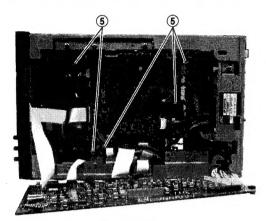


Fig. 1.4.2(1)

(3) Pull down the SYS/AUD board as shown in Fig. 1.4.2(2).

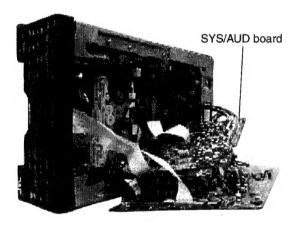


Fig. 1.4.2(2)

1.4.3 FRONT board assembly.

- (1) Remove the front panel to examine the front board.
- (2) Remove the two screws (6), and pull the board down to examine the B-side.

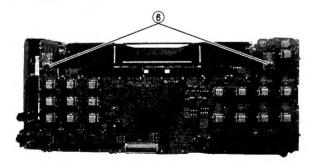


Fig. 1.4.3

1.4.4 MDA/DC board assembly

- (1) Remove the top cover to examine the A-side.
- (2) To examine the B-side, pull down the SYS/AUD board as shown in Fig. 1.4.4(2).

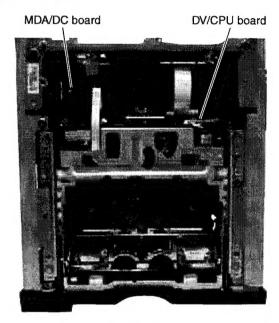


Fig. 1.4.4(1)

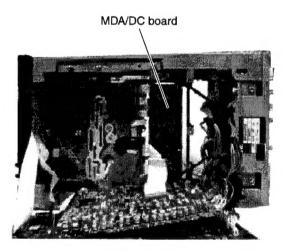


Fig. 1.4.4(2)

1.4.5 DV/CPU board assembly

 Remove the top cover as shown in Fig. 1.2.4(1) to examine the DV/CPU board.

1.4.6 DCDC board assembly

- (1) Remove the top cover.
- (2) Loosen the two screws ①, and remove the bracket while sliding to a front side.

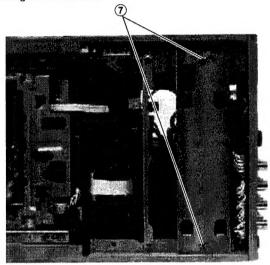


Fig. 1.4.6(1)

(3) Remove the connector of the FAN motor, and remove four screws (8) to examine the DCDC board as shown in Fig. 1.4.6(3).

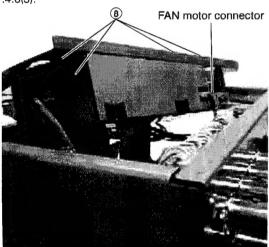


Fig. 1.4.6(2)

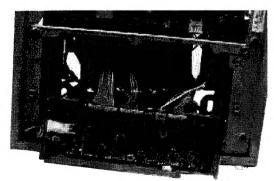


Fig. 1.4.6(3)

1.5 HOW TO REMOVE THE MECHANISM UNIT

- (1) Remove the six screws 9.
- (2) Remove the front panel.
- (3) Remove the CN111 on the MDA/DC board and CN101 on the DV/CPU board.

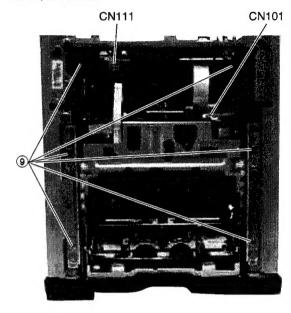


Fig. 1.5.1

(4) Remove the CN102 and CN103 on the DV/CPU Board.

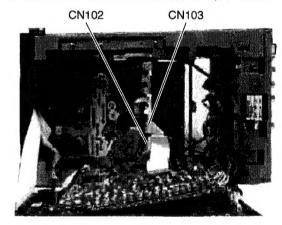


Fig. 1.5.1(2)

(5) Lift up to upward for removing the mechanism unit.



Fig.1.5.1(3)

1.6 HOW TO REMOVE THE MECHANISM ASSEMBLY

To remove only the mechanism assembly from the mechanism unit.

 Remove the shield case on the DV/CPU board and remove the CN107 FPC wire from the drum assembly.

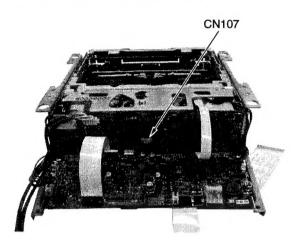


Fig. 1.6.1

- (2) Remove the FFC wires that connects the mechanism board, which is mounted on the backs of the mechanism assembly, MDA/DC board, and the DV/CPU board.
- (3) Remove the four screws 7 on the side.
- (4) Remove the mechanism assembly as shown in Fig. 1.6.3.

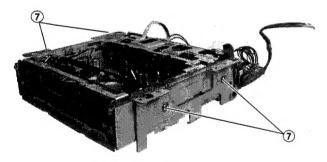


Fig. 1.6.2

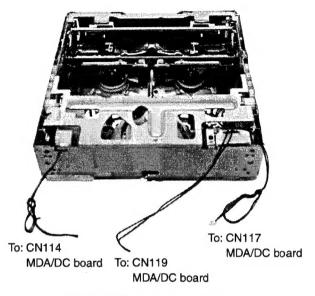


Fig. 1.6.3 Mechanism assembly

For instructions on disassembling each part of the mechanism assembly, please refer to the Section 2.

1.7 HOW TO TAKE OUT THE CASSETTE TAPE IN CASE OF EMERGENCY

An emergency system on this unit enables the cassette tape to be taken out manually.

When a cassette tape is stuck, take it out as described below.

Procedure

- 1. Gear (A): Emergency gear for MODE MOTOR
- 2. Gear (B): Emergency gear for REEL MOTOR
- 3. Gear ©: Emergency gear for HOUSING MOTOR
- (1) In order to turn the mode motor, turn the gear (A) (red color) in the direction of the arrow. While turning the gear also push it in to drive unloading.

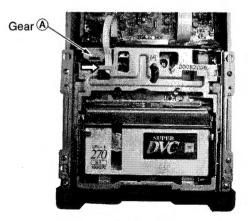


Fig. 1.7.1

(2) To wind the tape, when the tape is loosened a little, put a screw driver in the emergency gear (a), which drives the reel. (The drive direction does not matter.)

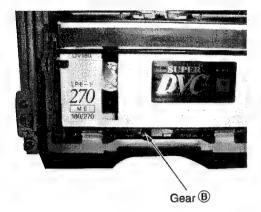


Fig. 1.7.2

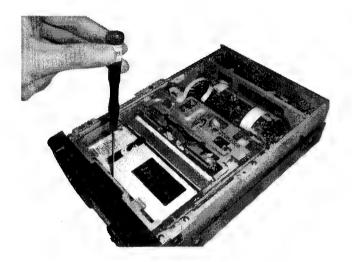


Fig. 1.7.3

- (3) Repeat steps (1) and (2) alternately and little by little until the tape is wound completely into the cassette.
- (4) Confirm that the tape is completely wound. Then, turn the gear © (red color) in the direction of the arrow to eject the cassette housing. Take the cassette out when it comes out of the loading slot.

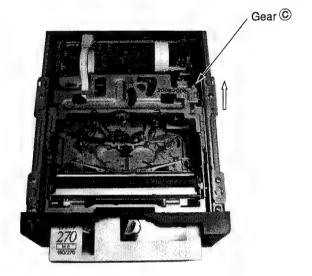


Fig. 1.7.4

CAUTION -

When turn the Emergency gear (Mode) to Unloading direction by hand until the hole of the Main cam and the hole of the pinch cam in a straitline connecting. (refer to Fig.1.7.5) Please do not turn the Emergency gear (Mode) more than the above.

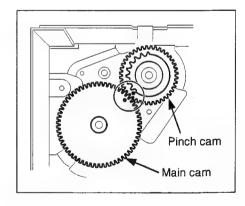


Fig. 1.7.5

1.8 SERVICE MENU

1.8.1 Usage procedure

(1) How to display the Service Menu

In no cassette condition, by pressing the MENU button while keeping either the STOP or PLAY button pressed, the first tier of the Service Menu will be displayed on the video monitor. As shown in Table 1.8.1, the Service Menu content that is displayed will differ depending on which buttons you press together simultaneously. (See Fig.8.1.1(2) to Fig.8.1.1(4)) (NOTE)

Only when displaying VTR 3 MENU, it is necessary to keep the PLAY + STOP buttons pressed while turning OPERATE ON. After that, press the MENU button.

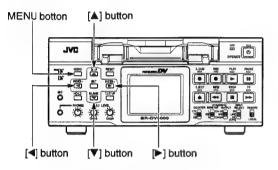


Fig. 1.8.1 (1) Front Panel

	SC 1	Act	Activation Method			
ltem	Displayed Content		PLAY	PLAY +STOP		
VTR1 MENU	VCR 1 Menu	0	0	0		
VTR2 MENU	VCR 2 Menu	_	0	0		
VTR3 MENU	VCR 3 Menu	-	_	(see note)		
DIP SW	DIP SW Menu	—	0	0		
HOUR METER	Hour Meter	_	0	0		
ERROR HISTORY	Warning History	_	0	0		
OTHERS	MENU SAVE etc.	_	0	0		
CPU VERSION	CPU Version	0	_	_		

Table 1.8.1 Service Menu First Tier List

(2) How to operate the Menu

- ① Press the ▲ or ▼ button on the front panel to move the cursor to the mode you want to change.
- ② Press the [SET] (or ▶ button) to select the item.
- ③ Press the ▲ or ▼ button to change the parameter.
- When finished making the change, press the [SET] button. The parameter stops blinking when the change has been confirmed.
 (Returning using the ◀ button or [MENU] button causes the setting to revert to the status prior to the change.)
- (5) When all settings are completed, move the cursor to "PAGE BACK" and press the [SET] button to return to the MENU screen.
 - * If the

 button is pressed when the parameter is not blinking, it returns to the main screen.
 - * If the [MENU] button is pressed, it returns to the normal screen.

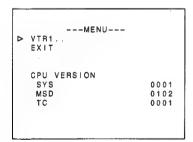


Fig. 8.1.1(2) Menu Screen (with STOP pressed simultaneously)



Fig. 8.1.1(3) Menu Screen (with PLAY pressed simultaneously)



Fig. 8.1.1(4) Menu Screen (with PLAY + STOP pressed simultaneously)

1.8.2 VTR 1 menu

Item	77.47	Parameter
REC REPEAT	OFF	No repeat recording
	2	Repeat recording 2 times
	12	Repeat recording 12 times
	ON	Full repeat recording
FOOT SW LEVEL	LEVEL1	Possible from any mode
	LEVEL2	Possible only from STOP or REC PAUSE mode
MIC REC CH	NORMAL	Record input signal from connected MiC only on CH1 (CH3: during A.DUB mode)
(change prohibited)	CH1-MIX	Record CH1 input signal from connected MIC on CH1/CH2
	CH2-MIX	Record CH2 input signal from connected MIC on CH1/CH2 (CH3/CH4 during A.DUB)
ID 422 (H)	F0	High Device ID (00~FF). First bit is fixed at PAL1, NTSC0 automatically
ID 422 (L)	4E	Low Device ID (00~FF)
FF/REW SPEED	x50	Maximum FF/REW speed is regulated to x50
	x75	Maximum FF/REW speed is regulated to x75
	x100	Maximum FF/REW speed is regulated to x100
	MAX	No maximum FF/REW speed regulation
Y/C ASPECT	OFF	Does out detect the wide aspect and not add DC gain when Y/C input.
	ON	Detect the wide aspect ID and add the DC gain when Y/C input.

 \square is default setting when shipped from factory.

Table 1.8.2 VTR 1 Menu Setting Item List

1.8.3 VTR 2 menu

ltem		Parameter
LONG PAUSE	OFF	Disables long pause function
	ON	Enables long pause function
REC MODE	SP	SP recording
	LP	LP recording (Do not change since performance cannot be guaranteed)
LP WARNING	OFF	LP INH not displayed (Enables playback with LP mode) (Do not change since
		performance cannot be guaranteed)
	ON	LP INH displayed (Disables playback with LP mode)
TEMP THRESHOLD	220	Threshold of rising temperature warning display, 00~255 (220 [DCh] = internal
		temperature approx. 60°C). Refer to item "TEMP" in table 1.8.7 (1)
BATT. SHUT DOWN	10.8	Voltage value to carry out power OFF operation (Set at OFF, 10.0~12.0 in
		increments of 0.1)
BATT. ALARM	11.0	Voltage value to trigger display of battery alarm warning (Set at 10.0~12.0 in
		increments of 0.1)

 $\hfill \square$ is default setting when shipped from factory.

Table 1.8.3 VTR 2 Menu Setting Item List

1.8.4 VTR 3 menu

Changing of settings is prohibited.

Item		Parameter	
RESERVED	0	Standard setting	

 \square is default setting when shipped from factory

Table 1.8.4 VTR 3 Menu Setting Item List

1.8.5 DIP switch menu

Sets the DIP SW. (All status are set to "OFF" or "0" when shipped.)

Item	Parameter	Default setting at factory
DIP SW 1/3		
DIP SW - 0	1: Displays error rate monitor and CPU port information	0
DIP SW - 1	ON: Disables warning detection	OFF
DIP SW - 2	Change prohibited	OFF
DIP SW - 3	ON: Disables DEW warning	OFF
DIP SW - 4	Change prohibited	OFF
DIP SW - 5	Change prohibited	OFF
DIP SW - 6	Change prohibited	0
DIP SW - 7	Change prohibited	OFF
DIP SW 2/3		
DIP SW - 8	Change prohibited	OFF
DIP SW - 9	Change prohibited	OFF
DIP SW - 10	(SW10/SW11): (0/0) AV multiplication error rate display (0/1) Audio error correction impossibility count display	OFF
DIP SW - 11	(1/1) Canceal multiplication value display	OFF
DIP SW - 12	Change prohibited	OFF
DIP SW - 13	Change prohibited	OFF
DIP SW - 14	Change prohibited	OFF
DIP SW - 15	Change prohibited	OFF
DIP SW 3/3		
DIP SW - 16	Change prohibited	OFF
DIP SW - 17	Change prohibited	OFF
DIP SW - 18	Change prohibited	OFF
DIP SW - 19	Change prohibited	OFF
DIP SW - 20	Change prohibited	OFF
DIP SW - 21	Change prohibited	OFF
DIP SW - 22	Change prohibited	OFF
DIP SW - 23	Change prohibited	OFF

is default setting when shipped from factory

Table 1.8.5 DIP SW Menu Setting Item List

1.8.5.1 Details of DIP SW-0

Do not change the setting other than as described below.

(1) Error rate monitor

By setting the DIP SW-0 to "2", the error rate value is displayed on the monitor screen.

The error rate value is always the result of the total value of the CH-1 (upper position), CH-2 (lower position) and AUDIO/ VIDEO values when the Viterbi mode is ON.

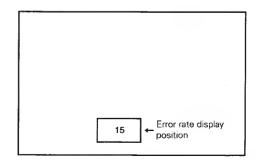


Fig. 1.8.5 (1) Error rate monitor screen

(2) RS422 command display

By setting the DIP SW-0 to "7", 18 of the latest RS422 receiving commands are displayed on the monitor screen (including Status Sense/Current Time Sense).

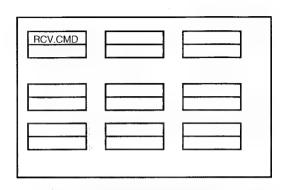


Fig. 1.8.5 (2) RS422 CMD DISPLAY screen 1

By setting the DIP SW-0 to "8", 11 of the latest RS422 receiving commands are displayed (excluding Status Sense/Current Time Sense).

The VTR Status Sense is displayed at the bottom of the monitor screen.

VTR Status Sense →

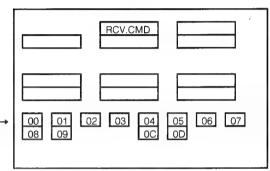


Fig. 1.8.5 (3) RS422 CMD DISPLAY screen 2

(3) By setting the DIP SW-0 to "15", the RS232C receiving and sending data are displayed on the screen.

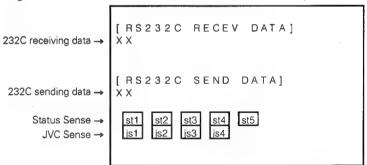


Fig. 1.8.5 (4) RS232C CMS DISPLAY

1.8.6 HOUR METER menu

Displays and resets the various types of hour meters.

When the parameter is set to "CLEAR" and the SET button is pressed, the hour meter is cleared.

ltem	2.00	Parameter	Time duration/number of times display is possible
DRUM	Time display H	Displays the drum hour meter (for drum maintenance)	000000~999999
	CLEAR	Resets the drum hour meter	Time duration
TOTAL DRUM	Time display H	Displays the total drum hour meter Resets the total drum hour meter (Does not work unless the special setting)	000000~999999 Time duration
POWER	Time display H	Displays the power hour meter	000000~999999
	CLEAR	Resets the power hour meter	Time duration
CAPSTAN	Time display H	Displays the capstan hour meter	000000~999999
	CLEAR	Resets the capstan hour meter	Time duration
REEL FWD	Time display H	Displays the reel forward direction running hour meter	000000~999999
	CLEAR	Resets the reel forward direction running hour meter	Time duration
REELREV	Time display H	Displays the reel reverse direction running hour meter	000000~999999
	CLEAR	Resets the reel reverse direction running hour meter	Time duration
LOADING	Number display	Displays the number of times a tape was loaded	000000~999999
	CLEAR	Resets the number of times a tape was loaded	Number of times (events)
EJECT (MINI)	Number display	Displays the number of times a mini cassette was ejected	000000~999999
	CLEAR	Resets the number of times a mini cassette was ejected	Number of times (events)
EJECT (STD)	Number display	Displays the number of times a standard cassette was ejected	000000~999999
	CLEAR	Resets the number of times a standard cassette was ejected	Number of times (events)
FWD/REV	Number display	Displays the number of FWD/REV switchings	000000~999999
	CLEAR	Resets the number of FWD/REV switchings	Number of times (events)
FF/REW	Number display	Displays the number of FF/REW switchings	000000~999999
	CLEAR	Resets the number of FF/REW switchings	Number of times (events)
CLEANER	Number display	Displays the number of times the cleaner was activated	000000~999999
	CLEAR	Resets the number of times the cleaner was activated	Number of times (events)

☐ is default setting when shipped from factory

Table 1.8.6 HOUR METER Menu Setting Item List

1.8.7 ERROR HISTORY menu

It can display 4 errors that have occurred in the past.

Initially, when there is no error history in the memory, the first error to occur will be logged in the first position (HISTORY-1). The second and third errors to occur will be logged in (HISTORY-2) and (HISTORY-3). All subsequent errors will be overwritten in (HISTORY-4). The fourth and subsequent errors are set to overwrite in order to prevent the user from repeatedly attempting to use a malfunctioning unit and thereby erasing any record of the initial cause error. Be sure to clear the error history before returning a repaired unit to the customer. When resetting ERROR HISTORY, set the parameter for "CLEAR" to "EXECUTE", and press the [SET] button.

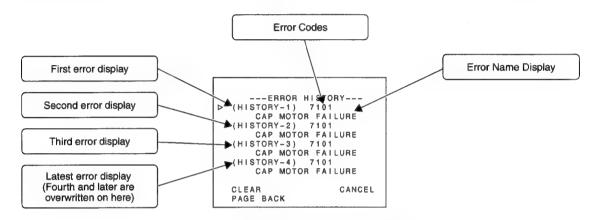


Fig. 1.8.7 (1) ERROR HISTORY

(1) MECHANISM INFO (Detailed information when error occurs)

Move the cursor to the error code on the "ERROR HISTORY" screen, and press the [SET] button (or ▶ button) to display the MECHANISM INFO screen as it was at the time of the error, you can check the details of the malfunction.

```
---MECHANISM INFO 1/2---
P.TM 000000H
SYS MODE:PLAY(01.00)
MSD MODE:PLAY(01.00)
LAST KEY:PLAY(00.00)
TAPE REM[0000]
DEW[00] TEMP[00]
DIAMETER TU[00] SP[00]
NEXT PAGE
PAGE BACK

---MECHANISM INFO 2/2---
M.POSI BRK2FAST>BRK2FAST
H.POSI INIT
CAP[0FF FWD]
CAP[0FF FWD] DRM[0FF FWD]
DRM[0FF FWD]
DRM[0FF] DIR[FWD]
DRV[00]CAPV[00]RELV[00]
MCVVPD[00]RELV[00]
SPI[00]
SPI[00FF] HW[0FF] HW2[0FF]
SPL[0FF]THIN[0N]
```

Fig. 1.8.7 (2) MECHANISM INFO Display Screen

P.TM SYS MODE	POWER HOUR METER	Power hour meter is display.
SYS MODE		
	SYSCON CPU mode when error occurred PLAY (03, 00) MODE DATA Parameter	SFF/SREW parameter is speed display. (Refer to Fig. 1.8.7 (2) Speed parameter) Parameters of other modes are irrelevant.
MSD MODE	MSD CPU mode and target mode when error occurred PLAY (01, 00) MODE DATA Parameter	EJECT (01) : Eject
LASTKEY	Final Key code when error occurred PLAY (E7, 01) CODE DATA Parameter	SFF/SREW parameter is speed display (See Fig. 1.8.7(2)) Other parameters are 01: ON, 00: OFF REC (E0) : Rec
TAPEREM	TAPE REMAIN	Displays tape remaining in minutes ([FFFF] : not detected)
DEW	DEW sensor A/D intake value	DEW detects (at low temp. [13], at normal temp [CD]) DEW off (at low temp. [12], at normal temp [99])
	Temperature sensor A/D intake value The value "49" [5°C] is threshold of detecting low temperture. The value "DC" [60°C] is the threshold of displaying "OVER HEATING" message.	Temperature is displayed in hexadecimal value. -10°C → [22] 20°C → [7C] 50°C → [CC] -5°C → [2D] 25°C → [8C] 55°C → [D4] 0°C → [3A] 30°C → [9C] 60°C → [DC] 5°C → [49] 35°C → [AA] 10°C → [59] 40°C → [B7] 65°C → [E1] 15°C → [6A] 45°C → [C2] 70°C → [E6]
DIAMETER	Displays wound tape diameter (Take-up, Supply)	[00]—[FF]: 0mm-82mm (Diameter) ([00] is non-detected)
M. POSI	Mechanism position and target mechanism position	[2ULD], [ULD2BRK], [BRK], [BRK2FAST], [FAST], [FAST], [FAST2STP], [STP], [STP2SRH], [SRH], [SRH2], [INIT]("2" is the meaning of "TO". It means transition. Refer to section 2, Mechanism Timing Chart.)
H. POSI	Housing position and target housing position	[EJECT], [EJECT2IN], [CASS IN], [RELEASE](Release the SUP reel lock.) [INIT](For the intake and eject operation, refer to section 8.2.3.)
CAP	Capstan status	[ON] : Rotate [FWD/REV]: Direction display [OFF] : Stop
REL	Reel status	[ON] : Rotate [FWD/REV]: Direction display [OFF] : Stop
DRM	Drum status	[ON] : Rotate [OFF] : Stop
DIR	Direction of tape running (Direction of target)	[FWD/REV] : Direction display
		100 FT 0 0V
	Drum control voltage	[00-FF] : 03V
DRV	Drum control voltage Capstan control voltage	[00-FF] : 0—3V

Item	Content	Displayed Content
MCV/SPD	Loading/cassette housing control voltage (when error code 4xxx and error code 3xxx	[00-FF]: 0—8V (Displays mode motor control voltage during error code 3xxx)
	is displayed.)	[00-FF] : 0-11V (Displays cassette motor control voltage during error code 4xxx)
	Tape speed (When the code excepting error code 4xxx and error code 3xxx is	[00-FA]: 0—25X (FF is displayed when the speed is faster than this.)
	displayed.)	"Tape speed" is a function to convert the
		hexadecimal value into a decimal value,
		and no speed parameter of the tape. (ex. FAh = 250 → The speed is 25.0X.)
RELI	Reel current (Cassette housing motor	[00-FF]: 0—1.2A
	current during housing-related warning)	
BGN	Begin sensor	[ON] : Leader tape detected [OFF] : Magnetic tape detected
END	End sensor	[ON] : Trailer tape detected
		[OFF] : Magnetic tape detected
CAS	Cassette SW status	[OFF] : No cassette
		[ON] : Cassette detected (STD/MINI)
STD	Standard cassette SW status	[OFF] : Mini cassette tape inserted [ON] : STD cassette tape inserted
HW, HW2	Housing SW/Housing 2SW status	HW SW HW2 SW Housing status
		[OFF] [ON] -
		[ON] [OFF] EJECT (Initial position)
		[OFF] [OFF] Cassette intake
		[ON] [ON] Ejecting Mini cassette
SPL	SUP Lock SW status (during loading)	[ON] : Normal operation (TU side tape winding)
		[OFF] : Lock release (Tape begin detected, Supply side tape winding mode)
THIN	Thin tape detection	[ON] :THIN
		[OFF] : NORMAL

Table 1.8.7 (1) MECHANISM INFO content

Parameter	Speed	Parameter	Speed
00	x 0	82	x 1.08
1F	× 0.03	83	x 1.11
40	x 0.10	84	x 1.12
53	x 0.20	85	x 1.16
61	x 0.30	91	x 2.00
6D	x 0.50	A9	x 5.00
7A	× 0.80	BD	x 9.00
7B	x 0.84	C0	x 10.0
7D	x 0.90	C4	x 12.0
7F	× 0.96	СС	x 15.0
80	x 1.00	D3	x 20.0
81	x 1.04		

Table 1.8.7 (2) Speed parameter

(2) Error code description

Error code	Display	Content of occurrence	Method of detection	Detected signal
0201	CONDENSATION ON DRUM	DEW detected	If DEW sensor detects	IC302 (MSD) -detects
			condensation	voltage of pin 318
3200	LOADING FAILURE	Does not load	If mechanism position does	IC302-pin354
			not move in loading direction	Rotary encoder output is
			within 5 seconds	detected
3300	UNLOADING FAILURE	Does not unload	If mechanism position does	IC302-pin354
			not move in unloading	Rotary encoder output is
			direction within 5 seconds	detected
·	No display	Does not intake	If intake is not completed	IC302 (MSD) -pin 84,
			within 5 seconds (Perform	CASSETTE SW is not
			ejects without warning)	detected within 5 seconds
4100	CASSETTE EJECT FAILURE	Does not eject	If eject is not completed	IC302 (MSD) -pin 26,
			within 5 seconds	HOUSING SW is not
				detected within 5 seconds
5605	DEFECTIVE TAPE	Tape abnormality	If begin and end sensor are	IC302 (MSD) -pin 278, START
		during intake	ON after intake	sensor and pin 297,
		·		END sensor are both detected
5606	DEFECTIVE TAPE	Tape tear during	If reel FG is excessive during	IC302 (MSD) -pin 75, TU
		unloading	unloading	REEL FG is detected
5607	DEFECTIVE TAPE	Tape tear during	If reel FG is insufficient during	IC302 (MSD) -pin 75, TU
		loading	loading	REEL FG is detected
5608	DEFECTIVE TAPE	Tape tear on the	If only supply side reel does	IC302 (MSD) -pin 72, SUP
		loading side	not rotate during FWD/REV	REEL FG is not detected
5609	DEFECTIVE TAPE	Tape tear during	If tape slack takeup is not	IC302 (MSD)pin 75, TU
		slack takeup	completed within 10 seconds	REEL FG and pin 72, SUP
		·		REEL FG are both detected
5702	TAPE END DET. ERROR	End sensor	If trailer tape sending is not	IC302 (MSD) -pin 297, END
		malfunction	completed within 3 seconds	sensor is detected for over 3
	•			seconds
5802	TAPE BEGIN DET. ERROR	Begin sensor	If leader tape sending is not	IC302 (MSD) -pin 278,
		malfunction	completed within 3 seconds	START sensor is detected to
				over 3 seconds
7001	DRUM MOTOR FAILURE	Drum motor does	If drum motor does not rotate	IC302 (MSD) -pin 55, DRUN
		not rotate	for over 4 seconds	FG is not detected for over 4
				seconds
7101	CAP MOTOR FAILURE	Capstan motor	If capstan motor does not	IC302 (MSD) -pin 56, CAP
		does not rotate	rotate for over 2 seconds	FG is not detected for over 2
				seconds
7202	SUPPLY REEL FAILURE	SUP reel does not	If SUP reel does not rotate for	IC302 (MSD) -pin 72, SUP
		rotate	over 3 seconds	REEL FG is not detected for
				over 3 seconds
7203	SUPPLY REEL FAILURE	SUP side tape slack	If only SUP reel does not	IC302 (MSD) -pin 72, SUP
		·	rotate during REV	REEL FG is not detected
7302	TAKE UP REEL FAILURE	TU reel does not	If TU reel does not rotate for	IC302 (MSD) -pin 75, TU
1002		rotate	over 3 seconds	REEL FG is not detected for
7302		lotate		
7302		Totale		over 3 seconds
7302	TAKE UP REEL FAILURE		If only TU reel does not rotate	
	TAKE UP REEL FAILURE	TU side tape slack	If only TU reel does not rotate during FWD	IC302 (MSD) -pin 75, TU
7303		TU side tape slack	during FWD	IC302 (MSD) -pin 75, TU REEL FG is not detected
7303	TAKE UP REEL FAILURE TAKE UP REEL FAILURE	TU side tape slack Tape slack during	during FWD If TU reel FG is insufficient	IC302 (MSD) -pin 75, TU REEL FG is not detected IC302 (MSD) -pin 75, TU
7303 7305	TAKE UP REEL FAILURE	TU side tape slack Tape slack during unloading	during FWD If TU reel FG is insufficient during unloading	IC302 (MSD) –pin 75, TU REEL FG is not detected IC302 (MSD) –pin 75, TU REEL sensor is detected
		TU side tape slack Tape slack during	during FWD If TU reel FG is insufficient	IC302 (MSD) -pin 75, TU REEL FG is not detected IC302 (MSD) -pin 75, TU

Table 1.8.7 (3) Error Code Contents

1.8.8 OTHERS menu

Item				Parameter					
MEMORY SW	OFF	Standard setting							
-OAD	START	Menu SW information	is loaded	from a store aria.					
MEMORY SW	OFF Standard setting								
SAVE	START	Menu SW information	ic cayed to	a ctoro aria					
			i is saved to	o a store ana.					
ALL RESET	CANCEL	Standard setting							
	I,U,E,EC	Resets all EEP-ROM	data to def	ault settings except adjustment data, hour meter d	lata, and				
		IEEE1394 ID data.							
		Default settings differ	by market	region.					
		I: for Japan, U: for US	SA, E: for E	EU, EC: for China					
MEM.EDIT	Contents o	f the EEP-ROM can be	edited dire	ectly					
ALIVI.EDIT	ADR: A	Address (0-03FF) displa	ay	·					
	DATA:	Display of data embedo	ded in addr	ess shown by ADR					
		procedure							
	Operation	procedure							
		he ▲ or ▼ button to mo							
		he ► button to make the							
				R parameter you want to edit. (Pressing ▲ or ▼ wh	nile keeping				
		DOB" button pressed wi he ► button to make the		to count up or down in increments of 10.)					
				s in the DATA parameter.					
	Press the [SET] button and confirm the DATA parameter. (The parameter stops blinking)								
	(NOTE)	(NOTE)							
	The EEPRO	OMs store important data	a for the sys	stem and careless rewriting may make normal operat	tion of the				
	system imp	ossible. Do not use this	function for	purposes other than the IEEE1394 ID date that is de	escribed.				
OPERATION	CANCEL	Standard setting		· ·					
OPERATION CHECK		Standard setting Enters the OPERATION	I check mod	de. All LEDs turn on. By operating the relevant button	s and slide				
OPERATION CHECK		Enters the OPERATION		de. All LEDs turn on. By operating the relevant button					
-		Enters the OPERATION	n of the butt	ons and LEDs can be checked as shown in the follow					
-		Enters the OPERATION switches, the operation To exit from this mode	n of the butt	ons and LEDs can be checked as shown in the follow RATE to OFF.					
-		Enters the OPERATION switches, the operation	n of the butt	ons and LEDs can be checked as shown in the follow RATE to OFF. Display coments					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT	of the butte, turn OPE Power ON/	cons and LEDs can be checked as shown in the follow RATE to OFF. Display coments OFF SW Ogoes out					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP	Power ON/ EJECT LED	cons and LEDs can be checked as shown in the follow RATE to OFF. Display coments OFF SW O goes out goes out					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT	of the butte, turn OPE Power ON EJECT LED STOP LED FF LED goe	cons and LEDs can be checked as shown in the follow. RATE to OFF. Display coments OFF SW O goes out goes out es out					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW	Power ON/ EJECT LED STOP LED FF LED god PLAY LED	cons and LEDs can be checked as shown in the follow RATE to OFF. Display coments OFF SW O goes out goes out goes out goes out					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE	Power ON/ EJECT LED STOP LED PLAY LED REW LED PAUSE LEI	cons and LEDs can be checked as shown in the follow RATE to OFF. Display coments OFF SW O goes out goes out goes out goes out goes out goes out					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW	Power ON/ EJECT LED STOP LED FF LED god PLAY LED	cons and LEDs can be checked as shown in the follow RATE to OFF. Display coments OFF SW O goes out goes out goes out goes out D goes out D goes out					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC	Power ON, EJECT LED STOP LED FF LED goo PLAY LED PAUSE LED REC LED g A.DUB LED	cons and LEDs can be checked as shown in the follow RATE to OFF. Display coments OFF SW Display coments Ogoes out goes out goes out goes out Display coments Ogoes out goes out Display coments Ogoes out goes out Display coments Ogoes out Display coments Ogoe					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC A.DUB	Power ON, EJECT LEC STOP LED FF LED gor PLAY LED REW LED REC LED REC LED REC LED REC LED DV LINE	COFF SW Display coments Ogoes out goes out					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC A.DUB	Power ON, EJECT LED STOP LED FF LED goo PLAY LED PAUSE LED REC LED g A.DUB LED	cons and LEDs can be checked as shown in the follow RATE to OFF. Display coments OFF SW Display coments Ogoes out goes out goes out goes out Display coments Ogoes out goes out Display coments Ogoes out goes out Display coments Ogoes out Display coments Ogoe					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC A.DUB INPUT SELECT REMOTE/LOCAL	Power ON/ EJECT LED STOP LED FF LED goo PLAY LED REW LED g A.DUB LED DV LINE V/C REMOTE LOCAL	Cons and LEDs can be checked as shown in the follow ERATE to OFF. Display coments OFF SW Display coments Ogoes out goes out goes out goes out Display coments Ogoes out goes out The control of the c					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC A.DUB INPUT SELECT	Power ON, EJECT LED STOP LED FF LED goo PLAY LED REW LED, PAUSE LEI REC LED g A.DUB LEI DV LINE Y/C REMOTE LOCAL CH-1/2	Cons and LEDs can be checked as shown in the follow ERATE to OFF. Display coments OFF SW Display coments Ogoes out goes out goes out goes out Displayed on the LCD or on screen "LIN" is displayed on the LCD or on screen "YC" is displayed on the LCD or on screen "YC" is displayed on the LCD or on screen "LOC" is displayed on the LCD or on screen "LOC" is displayed on the LCD or on screen "LOC" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC A.DUB INPUT SELECT REMOTE/LOCAL	Power ON/ EJECT LED STOP LED FF LED goo PLAY LED REW LED g A.DUB LED DV LINE V/C REMOTE LOCAL	COFF SW Display coments Displa					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC A.DUB INPUT SELECT REMOTE/LOCAL	Power ON/ EJECT LED STOP LED FF LED gover DAV LED PAUSE LEI REC LED GANDELLINE PAUSE LEI REC LED GANDELLINE DV LINE V/C REMOTE LOCAL CH-1/2 MIX CH-3/4 MENU	Cons and LEDs can be checked as shown in the follower. PATE to OFF. Display coments OFF SW Display					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC A.DUB INPUT SELECT REMOTE/LOCAL AUDIO OUTPUT	Power ON/ EJECT LED STOP LED FF LED goo PLAY LED REW LED g A.DUB LED DV LINE V/C REMOTE LOCAL CH-1/2 MIX CH-3/4 MENU	cons and LEDs can be checked as shown in the follow RATE to OFF. Display coments OFF SW O goes out goes out goes out goes out D goes out O goes out "DV" is displayed on the LCD or on screen "LIN" is displayed on the LCD or on screen "YC" is displayed on the LCD or on screen "REM" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen "MIX" is displayed on the LCD or on screen "MENU" is displayed on the LCD or on screen "MENU" is displayed on the LCD or on screen "MENU" is displayed on the LCD or on screen "MENU" is displayed on the LCD or on screen "MENU" is displayed on the LCD or on screen "UP" is displayed on the LCD or on screen					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC A.DUB INPUT SELECT REMOTE/LOCAL AUDIO OUTPUT	Power ON/ EJECT LED STOP LED FF LED gover DAV LED PAUSE LEI REC LED GANDELLINE PAUSE LEI REC LED GANDELLINE DV LINE V/C REMOTE LOCAL CH-1/2 MIX CH-3/4 MENU	Display coments Display coments OFF SW Display comen					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC A.DUB INPUT SELECT REMOTE/LOCAL AUDIO OUTPUT	Power ON, EJECT LED STOP LED FF LED goo PLAY LED REW LED PAUSE LEI DV LINE Y/C AREMOTE LOCAL CH-1/2 MIX CH-3/4 MENU RESET SET	COFF SW Display coments OFF SW Display coment					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC A.DUB INPUT SELECT REMOTE/LOCAL AUDIO OUTPUT	Power ON/ EJECT LED STOP LED FF LED goo PLAY LED PAUSE LEI REC LED g A. DUB LEI DV LINE LINE Y/C REMOTE LOCAL CH-1/2 MIX CH-3/4 MENU RESET SET	Cons and LEDs can be checked as shown in the follower. RATE to OFF. Display coments OFF SW Display coments Ogoes out goes out goes out Display coments Ogoes out Display coments Ogoes out Display coments Ogoes out Displayed on the LCD or on screen "LIN" is displayed on the LCD or on screen "YC" is displayed on the LCD or on screen "REM" is displayed on the LCD or on screen "LOC" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen "CH3" is displayed on the LCD or on screen "CH3" is displayed on the LCD or on screen "CH3" is displayed on the LCD or on screen "MENU" is displayed on the LCD or on screen "MENU" is displayed on the LCD or on screen "UP" is displayed on the LCD or on screen "LEFT" is displayed on the LCD or on screen "SET" is displayed on the LCD or on screen "SET" is displayed on the LCD or on screen "RIGHT" is displayed on the LCD or on screen "RIGHT" is displayed on the LCD or on screen					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC A.DUB INPUT SELECT REMOTE/LOCAL AUDIO OUTPUT	Power ON, EJECT LED STOP LED FF LED goo PLAY LED REW LED PAUSE LEI DV LINE Y/C AREMOTE LOCAL CH-1/2 MIX CH-3/4 MENU RESET SET	Display coments OFF SW Displa					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC A.DUB INPUT SELECT REMOTE/LOCAL AUDIO OUTPUT Buttons of left side	Power ON, EJECT LED STOP LED FF LED goo PLAY LED REW LED PAUSE LEI DV LINE Y/C A.DUB LEE LOCAL CH-1/2 MIX CH-3/4 MENU RESET HOLD HOLD V CUE UP	Display coments OFF SW Displa					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC A.DUB INPUT SELECT REMOTE/LOCAL AUDIO OUTPUT	Power ON, EJECT LED STOP LED FF LED goo PLAY LED REW LED PAUSE LEI REC LED g A.DUB LEI DV LINE V/C LINE LOCAL CH-1/2 MIX CH-3/4 MENU RESET HOLD CUE UP AUDIO leve	Display coments OFF SW Displa					
-		Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC A.DUB INPUT SELECT REMOTE/LOCAL AUDIO OUTPUT Buttons of left side	Power ON, EJECT LED STOP LED FF LED goo PLAY LED REW LED PAUSE LEI DV LINE Y/C A.DUB LEE LOCAL CH-1/2 MIX CH-3/4 MENU RESET HOLD HOLD V CUE UP	Display coments OFF SW Displa					
REAR SER.	SERIAL	Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC A.DUB INPUT SELECT REMOTE/LOCAL AUDIO OUTPUT Buttons of left side REC LEVEL VOLUME REC LEVEL VOLUME	Power ON/ EJECT LED STOP LED FF LED goo PLAY LED REW LED JO A.DUB LED LINE V/C REMOTE LOCAL CH-1/2 MIX CH-3/4 MENU RESET HOLD CUE UP AUDIO levet these volur d as the SE	Display coments OFF SW Ogoes out goes out goes out goes out Displayed on the LCD or on screen "LIN" is displayed on the LCD or on screen "YC" is displayed on the LCD or on screen "YC" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen "CH3" is displayed on the LCD or on screen "MENU" is displayed on the LCD or on screen "MESET" is displayed on the LCD or on screen "SEFT" is displayed on the LCD or on screen "SET" is displayed on the LCD or on screen "SET" is displayed on the LCD or on screen "HOLD" is displayed on the LCD or on screen "HOLD" is displayed on the LCD or on screen "HOLD" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen					
CHECK	EXECUTE	Enters the OPERATION switches, the operation To exit from this mode Button/Switch OPERATE EJECT STOP FF PLAY REW PAUSE REC A.DUB INPUT SELECT REMOTE/LOCAL AUDIO OUTPUT Buttons of left side REC LEVEL VOLUME REAR terminal is use REAR terminal is use	Power ON/ EJECT LED STOP LED FF LED goo PLAY LED REW LED JOU LINE N/C REMOTE LOCAL CH-1/2 MIX CH-3/4 MENU RESET HOLD V CUE UP AUDIO level these volur d as the SE d as the TO	Display coments OFF SW Ogoes out goes out goes out goes out Displayed on the LCD or on screen "LIN" is displayed on the LCD or on screen "YC" is displayed on the LCD or on screen "YC" is displayed on the LCD or on screen "YC" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen "CH1" is displayed on the LCD or on screen "CH3" is displayed on the LCD or on screen "MENU" is displayed on the LCD or on screen "MESET" is displayed on the LCD or on screen "BESET" is displayed on the LCD or on screen "BESET" is displayed on the LCD or on screen "SET" is displayed on the LCD or on screen "SET" is displayed on the LCD or on screen "RIGHT" is displayed on the LCD or on screen "HOLD" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen "CUEUP" is displayed on the LCD or on screen el indicator on the LCD is changed in accordance with mes.	wing list.				

 $\hfill \square$ is default setting when shipped from factory

1.8.9 CPU version menu

Displays version of SYSCON CPU and MSD (VCR) CPU.

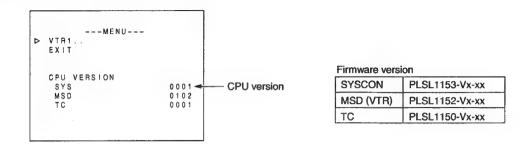


Fig. 1.8.9 CPU Version Display

1.8.10 EEP-ROMS

(1) EEP-ROMS and stored data

BR-DV6000 is equipped with two EEP-ROMS for the purpose of data stored, and their contents are as per the following list. When the circuit board or EEP-ROM is replaced, there will be no data in the EEP-ROM. When the unit is powered up, and the SYSCON CPU or MSD CPU recognizes that there is no data in the EEP-ROM, it automatically writes initial data into the EEP-ROM to initialize it. The memory data shown in Table 1.8.10 will all be reset back to default settings, so it will be necessary to perform necessary adjustments and settings again.

EEP-ROM	Circuit board name	Memory data content
IC301	DV/CPU circuit board (MSD CPU)	Adjusted data (DVC section: Adjustment menu No. 100-121) IEEE1394 ID data HOUR METER data
IC323	SYS/AUD circuit board (SYSCON CPU)	Adjusted data (VCR section: Adjustment menu No. 207-257) User menu and Service menu settings data ERROR HISTORY

Table 1.8.10 EEP-ROM Memory Data Content

(2) IEEE1394 ID setting method

IEEE1394 equipped units have an ID, as defined by the IEEE1394 standard, stored in the internal EEP-ROM (IC 301). At the time of production, the ID assigned for each individual unit are written into the EEP-ROM, and a sticker bearing the ID is affixed inside the unit. When the EEP-ROM (DV/CPU board assembly) or DV/CPU board assembly is replaced, the ID needs to be set again.

Procedure for setting IEEE1394 ID

The ID is an 8 digit, hexadecimal code, with 1 high Byte being the model code, and 3 low Bytes being individual to the unit. The model code is automatically initialized, so only the lower 3 Bytes of individual code need to be set manually. Go from Service Nenu → OTHERS Menu → MEM. EDIT (Memory Edit) to select the address in the ID data section and make the setting directly. The 3 low Byte address is as follows. Make the setting while confirming the ID printed on the label (ID: 45xxxxxx) pasted on the inside of the BR-DV6000 (See Fig. 1.8.10).

Setting procedure

- (1) Press the ▲ or ▼ button to move the cursor to MEM. EDIT.
- (2) Press the ▶ button to make the ADR parameter blink.
- (3) Press the ▲ or ▼ button to select ADR parameter "391".
- (4) Press the button to make the DATA parameter blink.
- (5) Press the \triangle or ∇ button to set ADR = "391" for the ID.
- (6) Press the [SET] button to confirm the DATA parameter.
- (7) In the same manner, select ADR parameter "392" and "393" to set the ID data.

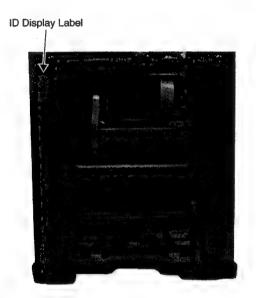


Fig. 1.8.10 ID Label Attachment Position

1.9 EDITING FUNCTION

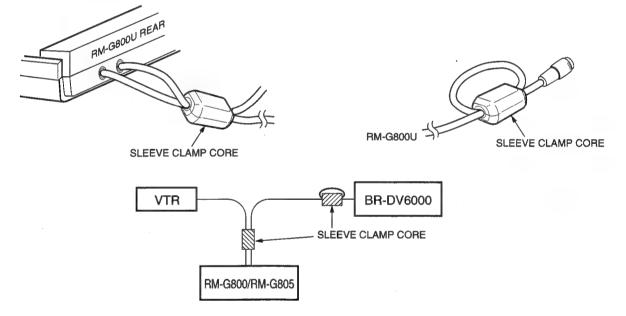
Editing system	Edit mode(Analog)	Edit mode(DV)	Preview(PB/EE switch)	Capstan bump	Split editing	Editing accuracy	Minimum editing duration	Compatibility
JVC bus I/F with editing controller	Insert V+A1and/orA2	Assemble Insert V Insert V+A1and/orA2 Insert A1and/orA2	No (Preview does not work)	No	No	+/-1 frame		RM-G800/G805 with SR-S368/388 mode
RS-422 I/F with editing controller	Insert V Insert V+A1and/orA2	Assemble Insert V Insert V+A1and/orA2 Insert A1and/orA2	Yes In point:4 frames advance Out point:4 frames delay (Analog only)	Yes	No	∔/-Q frame	10 frames	RM-G820 RM-450/PVE-500 FXE-100/120 AG-A850
RS-422 I/F with NLE system	Insert V Insert V+A1and/orA2	Assemble Insert V Insert V+A1and/orA2 Insert A1and/orA2	No (Preview does not work)	No	No	4/-0 frame	10 frames	Avid XpressDV 3.5

Table 1-9 Editing Performance

NOTE

When the RM-G800 remote controllre is used, the BR-DV6000 may cause radio interference. In this case, set the clamp core to the following position of controller cable.

- 1. Bundle up two cables of RM-G800/G805 side together and attach a sleeve clamp core.
- 2. Coil the cable (BR-DV6000 side) once that is from the RM-G800 connector, then attached the sleeve clamp core.



3. If an extension cable(VC-8030U) is used, attached the sleeve clamp core at two locations, one on the two cables of the RM-G800 side and one on the BR-DV6000 side.

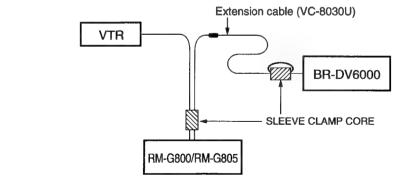


Fig. 1-9 Attach the SLEEVE CLAMP CORE

SECTION 2 MECHANICAL ADJUSTMENTS

2.1 BEFORE ADJUSTMENTS

2.1.1 Precautions

- Be sure to apply a screw securing torque when attaching a part.
 - The securing torque should be 0.14 N/m (1.4 kgf/cm) unless otherwise specified.
- 2) Always unplug the power cord of the set before attaching, removing or soldering a part.
- 3) When unplugging a connector, do not pull the wire but grasp the connector body.
- 4) Do not make an adjustment or rotate a potentiometer blindly while the source of trouble is not identified.
- 5) Before adjusting electrical circuitry, be sure to wait for more than 10 minutes after turning the power on.

2.1.2 Measuring instruments required for adjustments

Instrument	Condition
Oscilloscope	Calibrated instrument with measuring
	bandwidth of 100 MHz or more.

Table 2-1-1

2.1.3 Equipment required for adjustments

1 Alignment tape	5 Torque screwdriver
MC-1 (NTSC) MC-2 (PAL)	YTU94088 YTU94088-003 Replaceable bit (long type)
2 DV tape	6 Slit washer attaching tool
For use in self-recording/playback. (60 ME) (270 ME)	YTU94121A
3 Cassette torque meter	7 REWRITE board (Connector board)
YTU94150A (or YTU94151A) for FWD mode KLJ0312 for REV mode	CK453800B
4 Guide screwdriver	8 Chip IC replacement tool
YTU94085	PTS40844-2

Table 2-1-2

2.2 DISASSEMBLY/ASSEMBLY OF THE MECHANISM

2.2.1 Mechanism position for disassembly/assembly

The mechanism should basically be disassembled and assembled in the unloading end (No Cassette) position.

However, other mechanism position is sometimes required for disassembly or assembly. In such a case, the required position is specified every time in the descriptions in 2.6, "Replacement of major parts".

2.2.2 Mode transition

To change the mechanism mode manually, rotate the emergency gear of the mode motor assembly shown in Fig. 2.2.1 as below. The mechanism mode can be changed by applying 3 V DC to the mode motor electrodes.

The MINI and STD reel positions can be changed over by manually sliding the reel change plate.

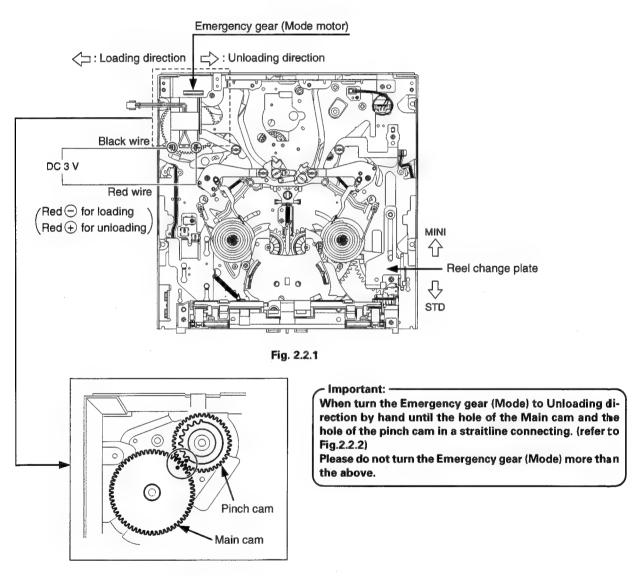


Fig. 2.2.2

2.3 MECHANISM TIMING CHART

See Table 2-3-1 below.

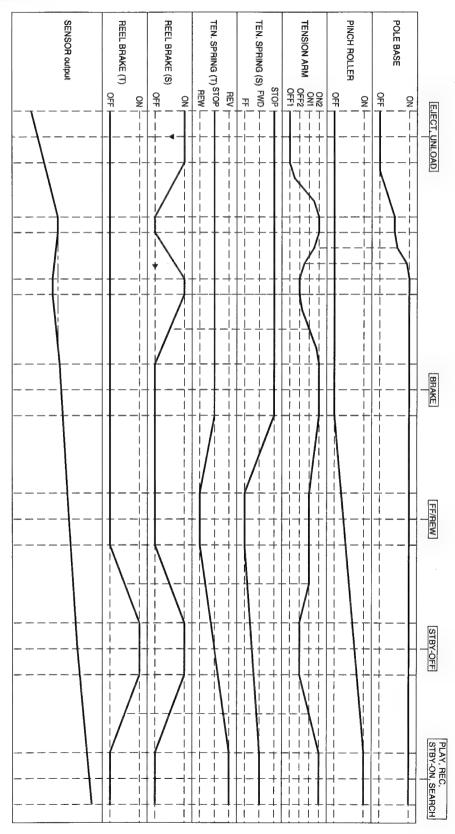


Table 2-3-1

2.4 MAINTENANCE AND INSPECTION OF MAJOR PARTS

Periodical inspection and maintenance are requisite to maintain the initial performance and reliability of the product. Table 2-4-1 (Maintenance & Inspection List) has been compiled assuming standard operating conditions, and the specifications in the table are greatly variable depending on the actual operating environment and conditions. Remember that, if the maintenance and inspection are not enforced properly, the operating hours of

the product will not only reduce considerably but other unfavorable influences may produce.

Rubber parts may deform or degrade after long period of storage even if they are not used in this period.

The service life of the drum is variable depending on the tape used and operating environment.

2.4.1 Layout of Major Parts

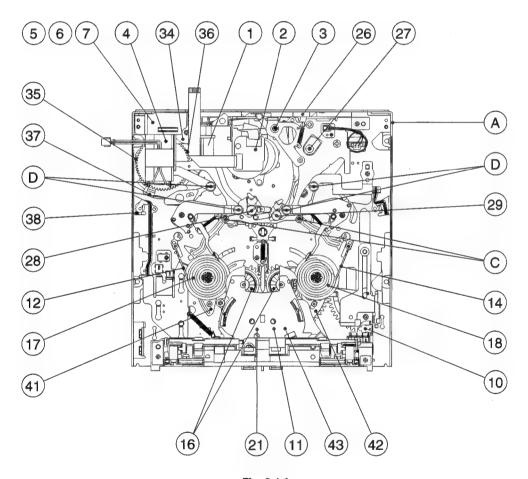


Fig. 2.4.1

2.4.2 Maintenance/inspection table

- 1) Replace the whole mechanism assembly in the 6000H maintenance.
- 2) The SUP/TU tension arm assemblies, sub-deck assembly (ENT. G. roller section) and EGR ARM assembly have undergone perpendicularity management after being assembled. If any of the above assemblies needs replacement, the whole mechanism assembly should be replaced.

	Don't Name	Symbol	mbol Operating Hours (DRUM Hour Meter)									Ref.			
	Part Name	No.	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	Section
1	28 SUP P. BASE ASSEMBLY	M3 66	*	0*	*	•	*	0*	*	•	*	0★	*	_	2.6.17
2	29 TU P. BASE ASSEMBLY	M3 67	*	Ó★	*	•	*	0*	*	•	*	0*	*		2.6.17
3	GUIDE ROLLER	M3 30	*	0★	*	•	*	0*	*	•	*	0*	*	_	2.4.1
4	© COLLER	M3 31	*	0*	*	•	*	0*	*	•	*	0★	*	_	2.4.1
5	① FRANGE	M3 32	*	0*	*	•	*	0*	*	•	*	0*	*		2.4.1
6	③ PINCH R.ARM ASSEMBLY	M 3 4	*	0*	*	•	*	0*	*	•	*	0*	*	_	2.6.3
7	② DRUM ASSEMBLY	M3 80	*	*	*	•	*	*	*	•	*	*	*	_	2.6.2
8	② CAPSTAN SHAFT	M3 64	*	*	*	*	*	*	*	*	*	*	*	_	
9	② CAPSTAN MOTOR	M3 64	_	_	_	_	_	—	_	_	_	0	_	-	2.6.16
10	2 REEL MOTOR	M 3 24	_	_	_	_	_	_	_	-	_	0	_		2.6.13
11	10 M.I.C. terminal	M3 51	*	*	*	*	*	*	*	*	*	*	*	-	
12	10 M.I.C. CONNECTOR	M 3 51	*	*	*	*	*	*	*	*	*	*	*		2.6.6
	(43) FPC 1 ASSEMBLY (11) IDLER COVER	M 3 49	_	-	-	_	-	_	_	_	-	-	_	-	2.6.25 2.6.7
13	© CASSETTE GUIDE PIN	1141 3 32		*	_	*	*	_	*	_	_	_	_	_	2.4.1
15	MODE MOTOR ASSEMBLY	M 3 47	*	X	*	*	×	*	X	*	*	*	*		2.6.4
16	35 MAIN CAM	M 3 12	_	_			_	_		_	_		_	_	2.6.20
17	® GEAR 1	M 3 44												_	2.6.4
18	7 GEAR 2	M 3 45			_						_			_	2.6.4
19	(5) WORM WHEEL	M3 46			_	_								_	2.6.4
20	34) PINCH CAM GEAR	M 3 13			_		_						_		2.6.20
21	28 PINCH PLATE	M 3 17				_									2.6.16
22	38 CTL. PLATE	M 3 9													2.6.22
23	③ CTL. ARM ASSEMBLY	M3 56	_		_	_	_		_	_					2.6.21
24	36 ARM GEAR	M 3 11	_			_	_		_	_		_			2.6.21
25	(1) SUP REEL PLATE ASSEMBLY	M 3 54		_	_	_		_							2.6.24
26	(2) TU REEL PLATE ASSEMBLY	M 3 55		_	_				_	_					2.6.24
27	(17) SUP REEL DISK ASSEMBLY	M 3 35	_	0	_	lacktriangle		0	_		_	0			2.6.10
28	(8) TU REEL DISK ASSEMBLY	M 3 36	_	0	_			Ō	_		_	0			2.6.10
29	(6) CONN. GEAR ASSEMBLY	M 3 37	_	0	_	•		0	_			0	_		2.6.10
30	② SUP TENSION BAND ASSEMBLY	M3 38	_	0	_	•		Ō	_	•	_	0	_		2.6.8
31	14 TU TENSION BAND ASSEMBLY	M3 39	_	0	_	•		0	_	•		0	_	_	2.6.9
32	1 IDLER ARM ASSEMBLY	M3 40	_	0	_	•	0	0	_	•		0	_	_	2.6.7
33	1 HEAD CLEANAER	M 3 5A	0	•	0	•	_	•	0	•	0	•	0		2.6.2
34	B CASSETTE HOUSING ASSEMBLY	M3 90	_	_	_	_	_		_	_		_	_		2.6.1
35	MECHANISM ASSEMBLY	M 3 1	_	_							_	_		•	

★: Clean with ethyl alcohol. O: Check and replace if required. ●: Replace. △: Oil the shaft.

After replacing a part, apply lubricant to the required points.

Table 2-4-1

2.4.3 Cleaning

The tape transport system should be cleaned periodically. Be sure to clean the tape transport system upon receipt of a set for servicing, etc. To clean use a good quality fine-textured cloth moistened with ethyl alcohol.

1) When the video head is stained, the playback output level decreases and a read error will not be able to be corrected by the error correction. If this occurs, block noise appear on the monitor, the audio will not be output, and the video output will eventually be lost when the video head becomes extremely dirty. To clean the drum, while applying cleaning cloth (service part No.: KSMM-01) or high quality paper gently to the upper drum, rotate the upper drum in the normal (counterclockwise) rotation direction.

The dirt deposited on the video head can be removed by playing a cleaning tape.

CAUTION -

Do not move the cleaning paper while applying it to the video head. Otherwise, the video head may be damaged.

2) The lower drum tends to attract dirt on the leader section and the linearity cannot be guaranteed when the lower drum becomes extremely dirty. Particularly, the tape inlet and output sections gather dirt easily, causing symptoms such as dropout of the reproduced FM signal, deterioration of video quality and lack of audio output. In order to clean the leader section, rub a a cotton swab gently along its edge.

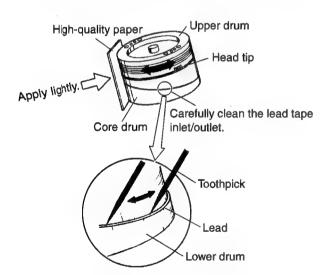


Fig. 2.4.2

3) Stain of the tape transport system leads to tape damage. When magnetic dust or dirt penetrates inside the rollers, a rotation malfunction may affect the video. Clean the tape transport parts carefully using a cleaning cloth or cotton swab moistened with ethyl alcohol.

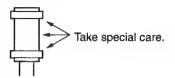


Fig. 2.4.3

2.4.4 Oiling and Greasing

Table 2-4-2 shows the oil and greases used with the set.

Classification	Name	Part No.
Oil	Cosmo Hydro HV100	YTU94027
Grease	Maltemp SH-P	KYODO-SH-P
	Hanai	RX-410R

Table 2-4-2

- 1) Oiling should be performed periodically. Oil the shafts by referring to the maintenance table.
- After replacing a part, grease the required points. For the parts to be greased see the exploded diagram in chapter 5, "DISASSEMBLY DRAWINGS AND PARTS LIST".
- As Hanal separates over time, be sure to mix it (shake) well before use.
- 4) Take care not to leave grease or oil on the tape transport parts which come into contact with the tape or on the brake pads.
- 5) Take care not to apply too much oil or grease. The standard oiling quantity is one drop and the standard greasing quantity is the quantity with which the grease does not overflow.

2.5 PERIODICAL MAINTENANCE

Perform maintenance at the correct times in accordance with the maintenance table. Fig. 2-5-1 shows the flow chart of periodical maintenance procedures at different operating hours.

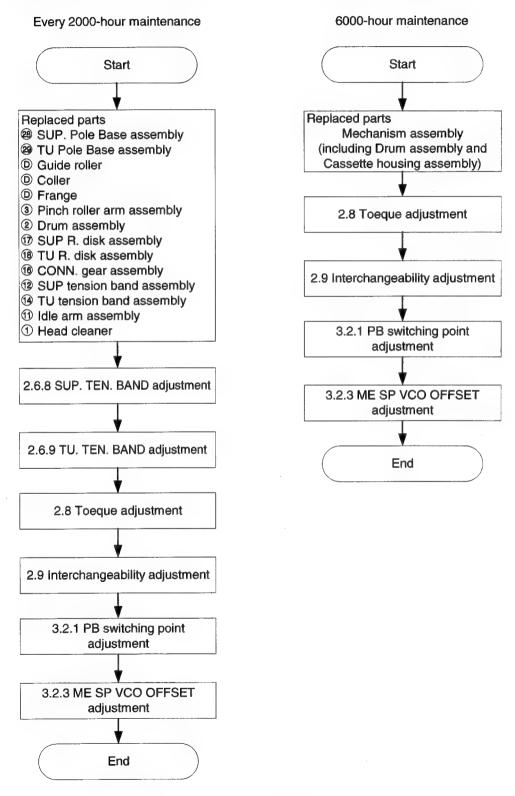
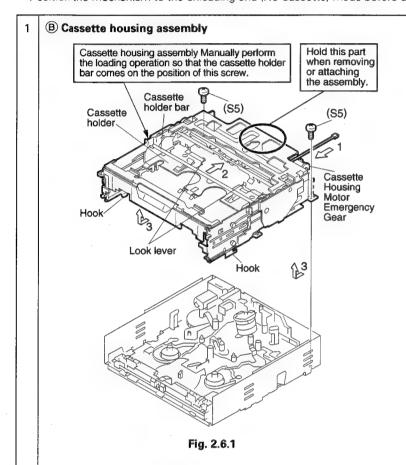


Fig. 2.5.1

	No.	ltem	Ref. Illustration	Procedure
- 1				

2.6 REPLACEMENT OF MAJOR PARTS

- The disassembly procedures shown in oder of disassembly. To remove the part, it is necessary to have completed all the stages before it.
- Always use a torque driver and the specified securing torque to tighten screws.
- · Position the mechanism to the unloading end (No Cassette) mode before disassembly or assembly unless otherwise specified.



<Disassembly>

- 1) Turn the cassette housing motor emergency gear in the direction of the arrow, while pushing the lock lever in the direction of arrow 2, then move the cassette holder so that the cassette holder bar comes in the position shown in the illustration.
- 2) Remove two screws (S5), slide the cassette housing toward the front and remove it by releasing the lock on the Hook function as shown by arrow 3.

<Assembly>

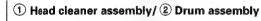
- 1) Reverse the disassembly procedure.
- 2) Screws (S5) should be tightened using a securing torque of 0.2 N/m (2 kgf/cm).

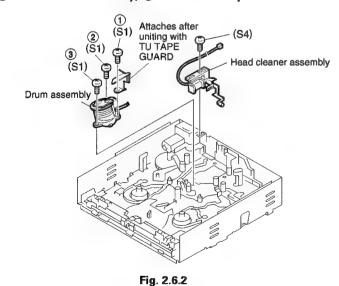
Note:

Be sure to attach the cassette housing in the same position as when it was removed.



Hook function of the Cassette hausing.





<Disassembly>

Head cleaner assembly:

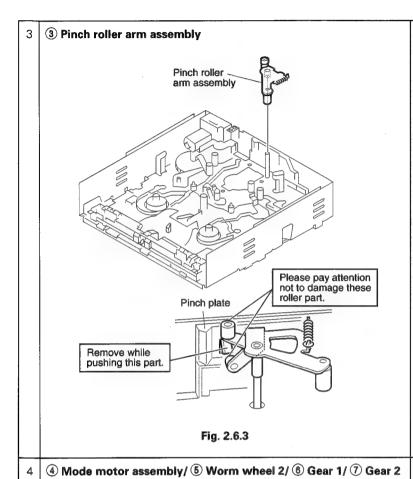
1) Remove the screw (S4) and remove the head cleaner assembly.

Drum assembly:

- Remove the Drum FPC from the DV/CPU circuit board CN107.
- Remove the screw (S1) and remove the drum assembly.

<Assembly>

- 1) Reverse the disassembly procedure.
- 2) Drum section screws (S1) should be tightened in order of ① — ③ and using a securing torque of 0.04 N/m (0.4 kgf/cm).



<Disassembly>

1) While pushing the hook on the pinch plate, lift the pinch roller arm assembly upward to remove.

<Assembly>

1) Reverse the disassembly procedure.

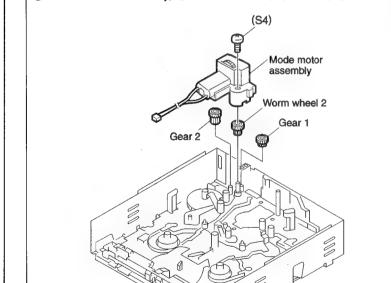


Fig. 2.6.4

<Disassembly>

Mode motor assembly:

1) Remove the screw (S4) and remove the mode motor assembly.

Worm wheel 2 & gears 1 and 2:

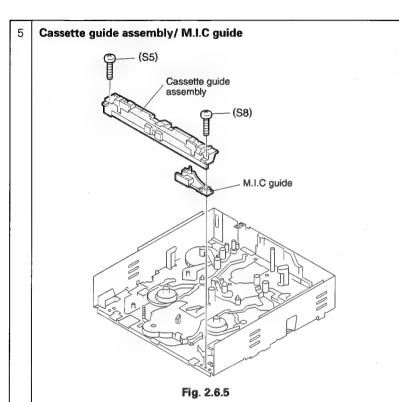
- 1) Lift the worm wheel 2 upward to remove.
- 2) Lift the gear 1 upward to remove.
- 3) Lift the gear 2 upward to remove.

<Assembly>

1) Reverse the disassembly procedure.

Note:

Worm wheel 2 and gears 1 and 2 do not require the mechanism phase adjustment.



<Disassembly>

Cassette guide assembly:

1) Remove the screws (S5) (S8) and remove the cassette guide assembly.

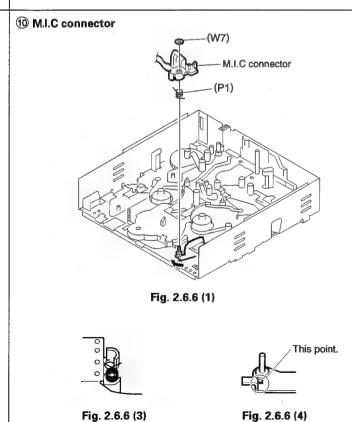
M.I.C guide:

1) While pushing the hook on the M.I.C guide, lift it upward to remove.

<Assembly>

1) Reverse the disassembly procedure.

When install the M.I.C guide, the reel position sould be standard cassette position.

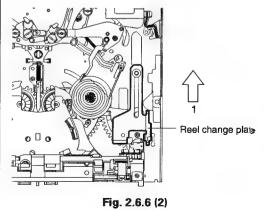


<Disassembly>

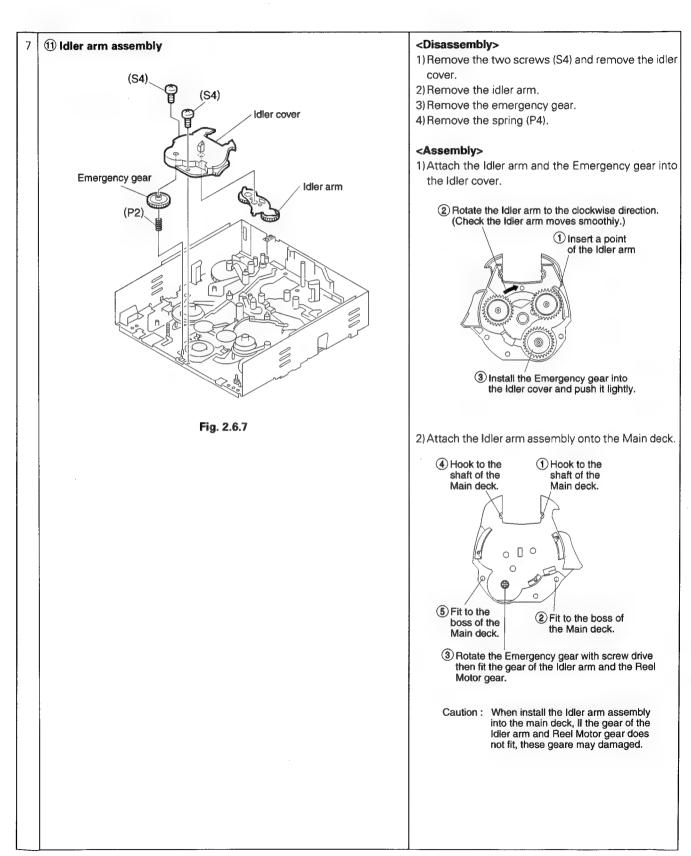
- 1) Slide the reel change plate in the direction of arrow 1 to place the reel in the mini-cassette position.
- 2) Remove the slit washer (W7) and remove the M1.C connector.
- 3) Remove the spring (P1).

<Assembly>

- 1) Reverse the disassembly procedure.
- 2) Attach the spring (P1) to the M.I.C connector. (See Fig. 2.6.6. (3))
- 3) Hang a point of the spring (P1) on to a part of Fig. 2.6.6. (4) and attach it.



	No.	Item	Ref. Illustration	Procedure
-				





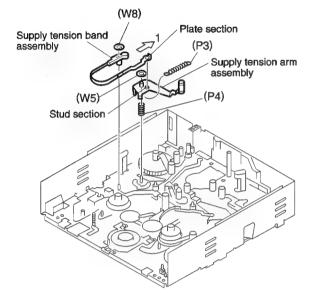


Fig. 2.6.8 (1)

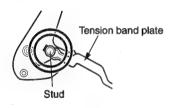


Fig. 2.6.8 (2)

<Disassembly>

Supply tension band assembly:

- 1) Remove the slit washer (W8).
- Slide the tension band plate in the direction of arrow 1 and remove the plate from the tension arm stud section.

Supply tension arm assembly:

- 1) Remove the slit washer (W5) and remove the supply tension arm assembly.
- 2) Unhook the spring (P3) from the tension control arm. (See Fig. 2.6.8 (3))
- 3) Remove the spring (P4).

<Assembly>

1) Reverse the disassembly procedure.

Notes:

- Pinch the tension band plate and tension arm stud together and fix them. Be careful not to bend the plate during the above. (See O in Fig. 2.6.8 (2))
- The supply tension arm assembly has undergone perpendicularity management after being assembled, so when replacement is required, it will be necessary to replace the entire mechanism assembly.

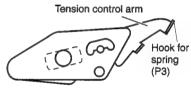
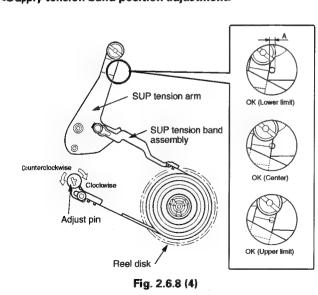


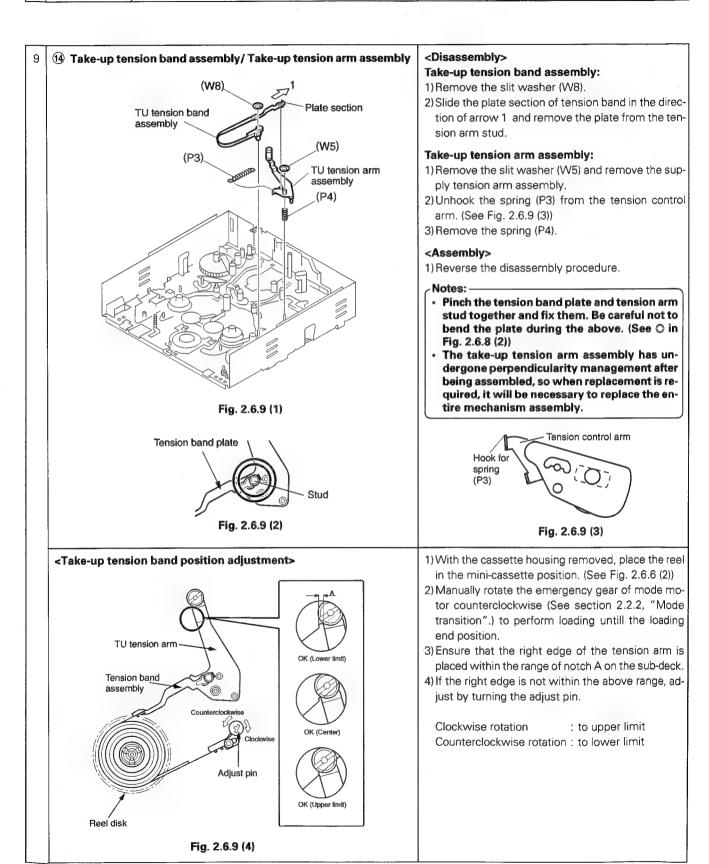
Fig. 2.6.8 (3)

<Supply tension band position adjustment>

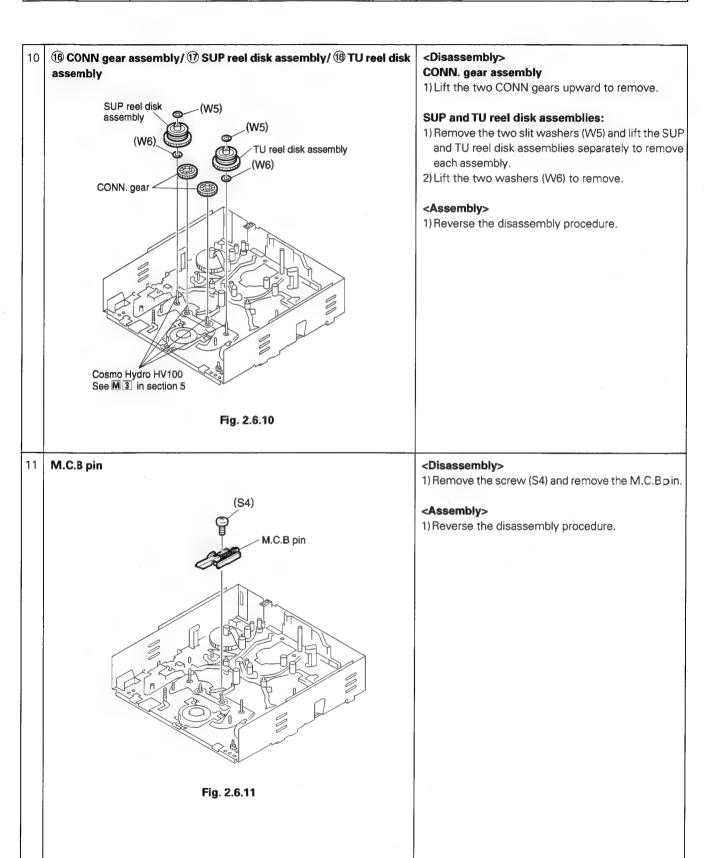


- 1) With the cassette housing removed, place the reel in the mini-cassette position. (See Fig. 2.6.6 (2))
- 2) Manually rotate the emergency gear of mode motor counterclockwise (See section 2.2.2, "Mode transition".) to perform loading untill the loading end position.
- 3) Ensure that the right edge of the tension arm is placed within the range of reference hole A on the sub-deck.
- If the right edge is not within the above range, adjust by turning the adjust pin.

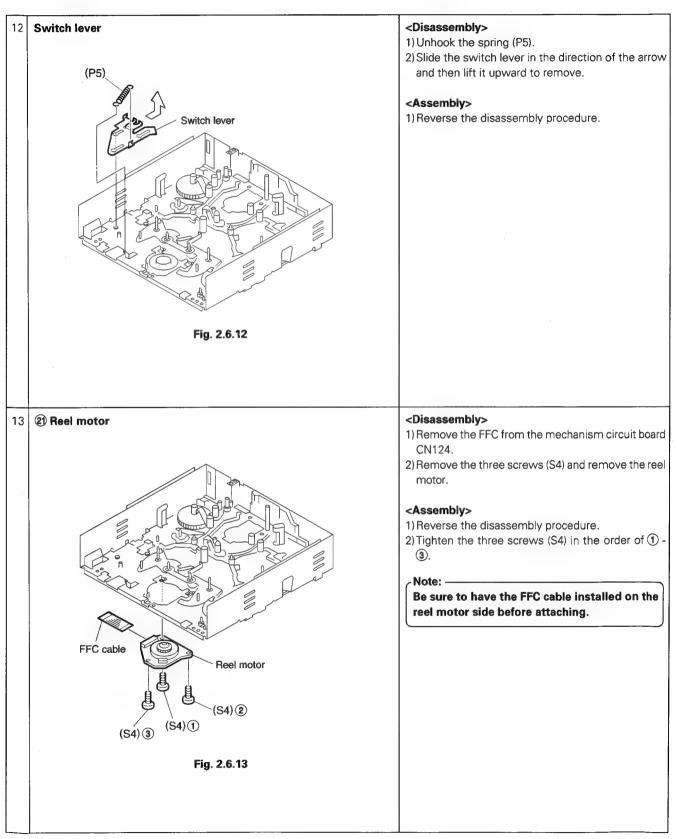
Clockwise rotation : to lower limit Counterclockwise rotation : to upper limit



No.	ltem	Ref. Illustration	Procedure



١.,			_ ,
N	o. Item	Ref. Illustration	Procedure
1	1		
1		1	



No.	ltem	Ref. Illustration	Procedure

F-lock lever Long Hole Cross-section Multemp SH-P See M 3 in section 5.

<Disassembly>

1) Slide the F-lock lever in the direction of the arrow to remove.

<Assembly>

1) Reverse the disassembly procedure.

15 Dew sensor/ E.G. roller arm assembly

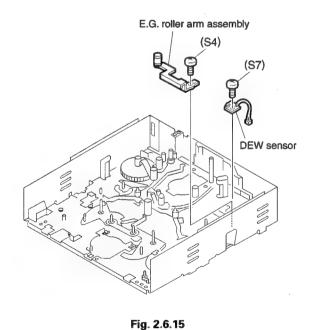


Fig. 2.6.14

<Disassembly>

Dew sensor:

1) Remove the screw (S7) and remove the DEW sensor

E.G. roller arm assembly:

1) Remove the screw (S4) and remove the E.G. roller arm assembly.

<Assembly>

1) Reverse the disassembly procedure.

-Note: -

The E.G. roller arm assembly has undergone perpendicularity management after being assembled, so when replacement is required, it will be necessary to replace the entire mechanism assembly.

No. Item Ref. Illustration Procedure

16 Sub-deck/ 26 Pinch plate/ 27 Capstan motor

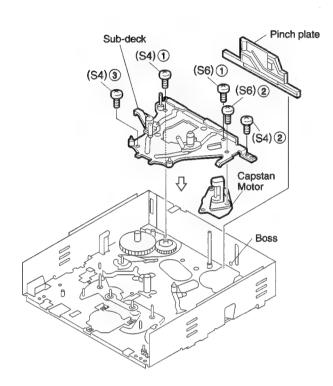


Fig. 2.6.16 (1)

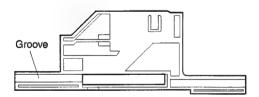


Fig. 2.6.16 (2)

<Disassembly>

Sub-deck/pin plate:

1) Remove the three screws (S4) and slide the subdeck in the direction of arrow then remove it. The pinch plate also detaches at this time.

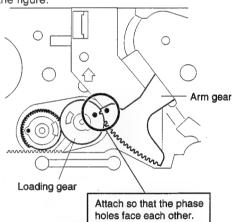
Capstan motor:

1) Remove the two screws (S6) and remove the capstan motor.

<Assembly>

Do this procedure in the unloading end position.

- 1) Fit the groove on the rear of the pinch plate into the boss on the main deck.
- 2) Reverse the disassembly procedure.
- 3) Attach the loading gear and arm gear so that the phase relationship between them is as shown in the figure.



- Unloading End Position -

Notes:

- Tighten the screws (S4) of the sub deck in the order of ① ③.
- The sub deck assembly has undergone perpendicularity management after being assembled, so when replacement is required, it will be necessary to replace the entire mechanism assembly.
- Capstan motor screws (S6) should be tightened in the order of ① ② and using a securing torque of 0.20 N·m (2 kgf·cm).

No	. Item	Ref. Illustration	Procedure
		·	

17 Supply pole base assembly/ 3 Take-up pole base assembly

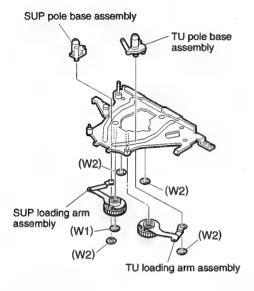


Fig. 2.6.17

<Disassembly>

Do this procedure in the loading end position.

Supply pole base assembly:

1) Remove the two slit washers (W2) and remove the supply pole base assembly.

Take-up pole base assembly:

1) Remove the two slit washers (W2) and remove the take-up pole base assembly.

<Assembly>

1) Reverse the disassembly procedure.

8 Supply loading arm assembly/ Take-up loading arm assembly

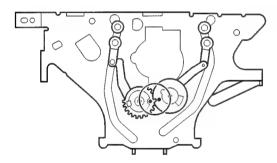


Fig. 2.6.18 Sub Deck Bottom Side

<Disassembly>

Do this procedure in the loading end position.

Take-up loading arm assembly:

1) Remove the slit washer (W1) and remove the takeup loading arm assembly.

Supply loading arm assembly:

1) After removing the take-up loading arm assembly, remove the supply loading arm assembly.

<Assembly>

- 1) Reverse the disassembly procedure.
- 2) Attach so that the gear holes on the assemblies face each other.

Supply reel lock / Take-up reel lock Supply side spring (P6) Supply side spring (P6) Take-up side spring (P6) hook position Fig. 2.6.19

<Disassembly>

Supply reel lock:

1) Unhook the spring (P6) and lift the supply reel lock upward to remove.

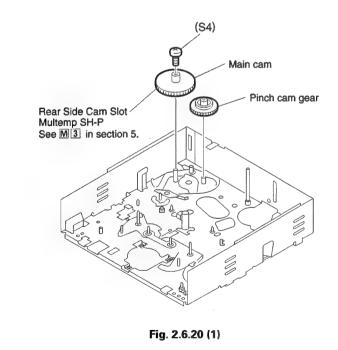
Take-up reel lock:

1) Unhook the spring (P6) and lift the take-up reel lock upward to remove.

<Assembly>

1) Reverse the disassembly procedure.

20 Main cam gear/ Main cam



<Disassembly>

Pinch cam gear:

1) Lift the pinch cam gear upward to remove.

Main cam:

1) Remove the screw (S4) and remove the main cam.

<Assembly>

- 1) Reverse the disassembly procedure.
- 2) Attach the main cam and pinch cam gear so that their phase relationship is as shown in the figure.

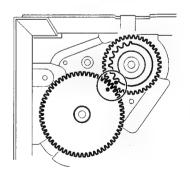
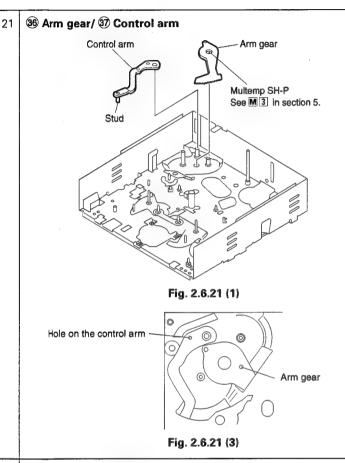


Fig. 2.6.20 (2)



<Disassembly>

Arm gear:

1) Remove the main cam as described in No. 20 and remove the arm gear.

Control arm:

- 1) Place the main deck upside down.
- 2) Bend the control plate slightly, disengage the control arm's stud from the groove on the plate and remove the control arm. (Refer to Fig. 2.6.21(2))

<Assembly>

- 1) Reverse the disassembly procedure.
- 2) Align the hole on the control arm withy that on the main deck.
- 3) Align the hole on the arm gear with that on the main deck.

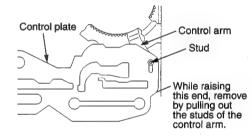
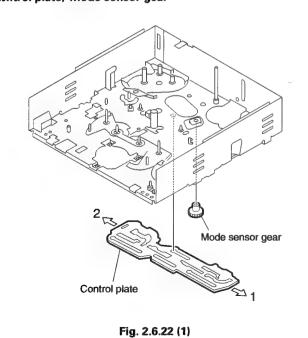


Fig. 2.6.21 (2)

22 S Control plate/ Mode sensor gear



<Disassembly>

Control plate:

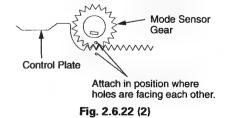
- 1) Place the main deck upside down.
- 2) Slide the control plate in the direction of the arrow 1 to remove.

Mode sensor gear:

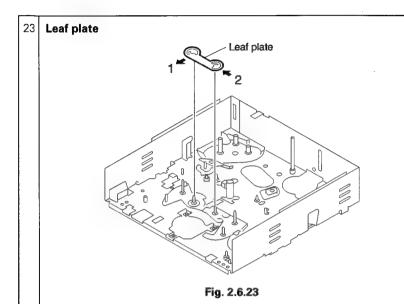
1) Remove the mode sensor gear as if pulling it out.

<Assembly>

- 1) Attach the control plate.
- 2) Slide the control plate in the direction of the arrow 2
- 3) Attach the mode sensor gear so that the hole on it is aligned with that on the control plate.



No.	Item	Ref. Illustration	Procedure



<Disassembly>

- 1) Push the supply side of the leaf plate in the direction of arrow 1 to release the lock.
- 2) Push the take-up side of the leaf plate in the direction of arrow 2 to release the lock. Now the leaf plate can be removed.

<Assembly>

1) Reverse the disassembly procedure.

Note:

Be careful not to deform the leaf plate during removing or attaching.

24 Supply reel plate/ Tale-up reel plate

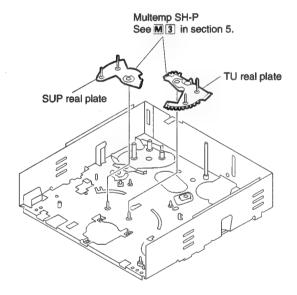


Fig. 2.6.24 (1)

<Disassembly> Supply reel plate:

- 1) Slide the reel change plate toward the mini-cassette position. (Stop sliding before it is locked completely.) (See Fig. 2.6.6 (2))
- 2) Lift the right side of the supply reel plate (gear side) and turn it slightly to remove.

Take-up reel plate:

1) Lift the left side of the take-up reel plate and turn it slightly to remove.

<Assembly>

1) Reverse the disassembly procedure.

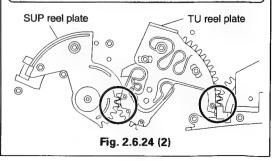
Notes:

Take-up reel plate attaching position

Attach the take-up reel plate so that the gear cogs on its inner right side are meshed with those on the left end of the reel plate drive gear.

Supply reel plate attaching position

Attach the supply reel plate so that the gear cogs on its inner right side are meshed with those on the left end of the supply reel plate.



No.	ltem	Ref. Illustration	Procedure
	1		

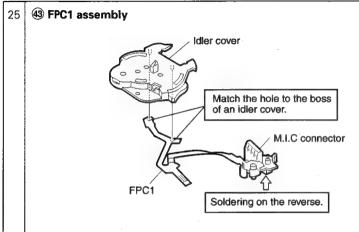


Fig. 2.6.25

<Disassembly>

- 1) Remove the M.1.C connector and idler arm assembly as described in section 2.6.7.
- 2) Remove solder from the M.I.C connector (6 positions)
- 3) Remove the FPC1 assembly by performing the same operation as peeling adhesive tape off for the idler cover section.

<Assembly>

1) Reverse the disassembly procedure.

Do not reuse the removed FPC1 assembly.

6 FPC2 assembly/ FPC3 assembly

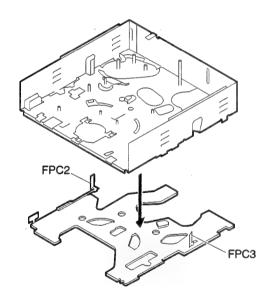


Fig. 2.6.26 (1)

<Disassembly>

FPC2 assembly:

- 1) Remove solder from CN126 on the mechanism board.
- 2) Remove the FPC2 assembly as if peeling adhesive tape off.

FPC3 assembly:

- 1) Remove solder from CN127 on the mechanism hoard
- 2) Remove the FPC3 assembly as if peeling adhesive tape off.

<Assembly>

1) Reverse the disassembly procedure.

Do not reuse the removed FPC1 and FPC2 assemblies.

CN127

Fig. 2.6.26 (2)

CN126

No. Item Procedure		No.	ltem	Ref. Illustration	Procedure
--------------------	--	-----	------	-------------------	-----------

27 Cassette LED/ LED holder/ MECHA board assembly

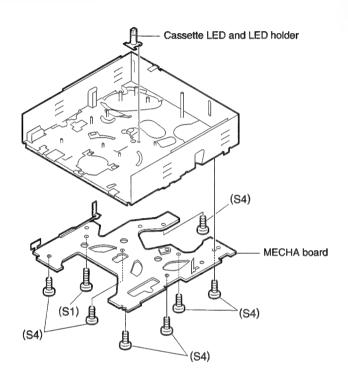


Fig. 2.6.27 (1)

<Disassembly>

Cassette LED:

1) Remove solder from LD1 on the mechanism board and remove the cassette LED.

LED holder:

1) While pushing the three claws locking the LED holder, remove it.

MECHA board assembly:

1) Remove the seven screws (S4) and a screw (S1), then remove the MECHA board assembly.

<Assembly>

- 1) Reverse the disassembly procedure.
- 2) Tighten the eight screws of the mechanism board assembly in the order shown in the illustration.

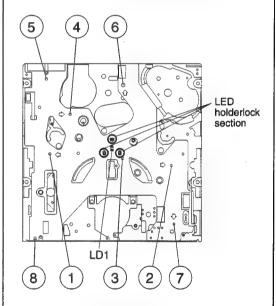


Fig. 2.6.27 (2) — Mechanism unit bottom side —

Note:

Makee sure the three claws locking of the LCD holder does not loosen.

No.	ltem	Ref. Illustration	Procedure

2.7 GUIDE ROLLER REPLACEMENT METHOD

Since the SUP/TU tension arm assembly, sub deck assembly (ENT, G, roller section), and E.G.R. arm, have all undergone perpendicularity management after being assembled respectively, assembly replacement of these is not possible.

For maintenance, only the guide roller can be replaced.

Guide roller replacement procedure for SUP/TU tension arm assembly and ENT.G. roller/E.G. roller arm assembly

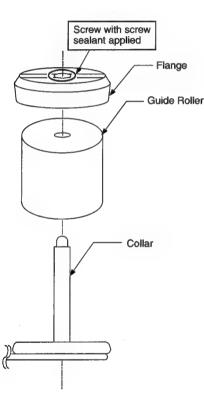


Fig. 2.7.1

<Removing>

- 1) Remove the flange on the upper part of the guide roller as you would remove a screw.
- 2) Pull the guide roller upward and remove it.
- 3) Pull the collar upward and remove it.

<Installing>

- 1) Proceed in the reverse order as when removing.
- 2) When fixing the flange in place, first tighten by hand until it stops, then tighten further using a securing torque of 0.04 N/m (0.4 kgf/cm).
- 3) After fixing in place, apply screw sealant to the screw on the upper end of the flange.

Note:

When applying additional tightening force, avoid excessive force that may cause distortion of the arm section.

No.	Item	Measuring instruments & Input signals	Mode	Measuring point (◎) Adjustment parts (①) Adjustment level (☆)	Adjustment procedure
-----	------	---	------	---	----------------------

2.8 TOROUF ADJUSTMENT

2.8	TORQUE ADJU	JSTMENT			
1	Supply back torque adjustment To inc	Cassette torque meter YTU94150A Tension contro		© Supply side reading of cassette torque meter ☆ 6.5 +0.5 x 10⁴ N·m	 Insert the torque cassette meter YTU94150A and press the [PLAY] button. Ensure that the SUP back torque value is within the specified range. (If the reading varies, read the center value.) If the reading is out of specification, eject the cassette and adjust by moving the tension control arm. To increase the torque → Move in direction B To decrease the torque → Move in direction C. Perform steps 1) and 2) above again and ensure that the SUP back torque value is within the specified range. If it is out of specification, check the <supply adjustment="" band="" position="" tension=""> in 2.6.8 above.</supply>
2	Take-up wind torque adjustment	Cassette torque meter YTU94150A	PLAY, Adjustment menu No. 119	© Take-up side reading of cassette torque meter ☆ 11.5 ∜.5 x 10⁴ N·m	 Select adjustment menu [119. FWD TORQUE]. (For the adjustment menu, see 3.1.4, "Adjustment menu".) Insert the torque cassette meter YTU94150A and press the [PLAY] button. Adjust the TU wind torque so that it is within the specified range. Press SET to enter the adjustment mode. To increase the torque → Press ▲. To decrease the torque → Press ▼. After adjustment, press SET (PAUSE) to store the adjustment data.

No.	ltem	Measuring instruments & Input signals	Mode	Measuring point(◎) Adjustment parts (⑪) Adjustment level (☆)	Adjustment procedure
-----	------	---	------	--	----------------------

3	Take-up back torque adjustment To increas	Cassette torque meter KLJ0312	Tension conf	© Take-up side reading of cassette torque meter ☆ 6.5 +1.0 / 0.5 × 10 4 N·m trol arm	 Insert the torque cassette meter KLJ0312 and enter REV x1 mode. Ensure that the TU back torque value is within the specified range. (If the reading varies, read the center value.) If the reading is out of specification, eject the cassette and adjust by moving the tension control arm. To increase the torque → Move in direction B To decrease the torque → Move in direction C. Perform steps 1) and 2) above again and ensure that the TU back torque value is within the specified range. If it is out of specification, check the <take-up adjustment="" band="" position="" tension=""> in 2.6.9 above.</take-up>
4	SUP wind torque CHECK	Cassette torque meter KLJ0312	REV x 1	© Take-up side reading of cassette torque meter ☆ 11.5 -1.5 x 10⁴ N·m	 Insert the torque cassette meter KLJ0312and enter REV x1 mode. Ensure that the SUP wind torque is within the specified range. If it is out of specification, check the assembly condition of the reel drive parts.

2.9 INTERCHANGEABILITY ADJUSTMENT

2.9.1 Interchangeabilty adjustment flow chart

Fig. 2-8-1 shows the flow chart of compatibility adjustment.

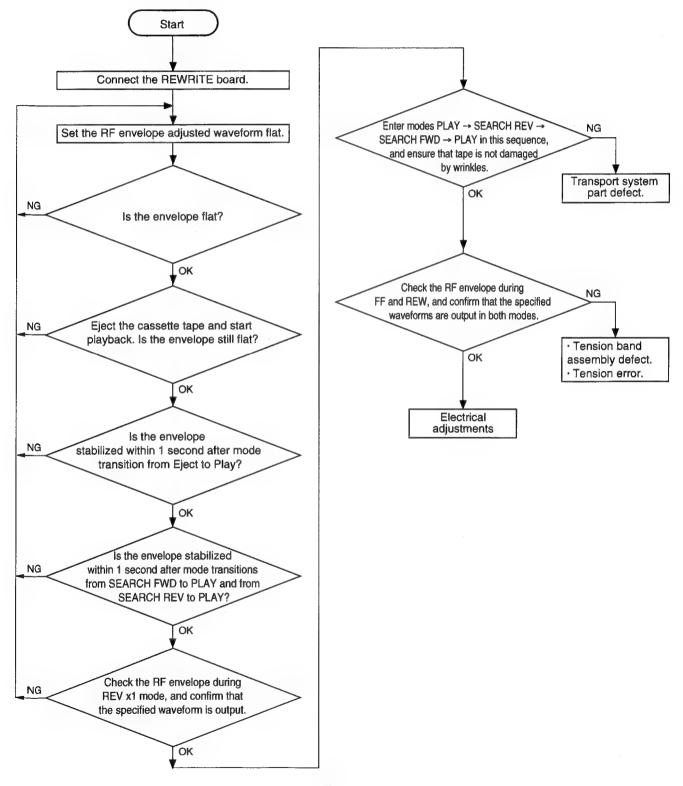


Fig. 2-9-1

2.9.2 Tape Transport Restriction

The unit uses only the SUP guide roller and TU guide roller to restrict the tape transport. The tape is free (no restriction) from other parts.

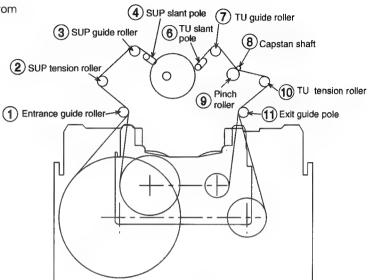


Fig. 2.9.2

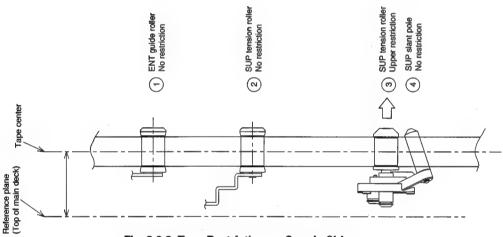


Fig. 2.9.3 Tape Restriction on Supply Side

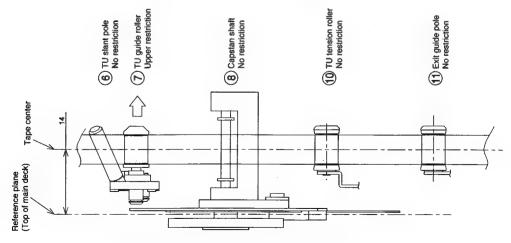


Fig. 2.9.4 Tape Restriction on Take-up Side

No.	ltem	Measuring instruments & Input signals	Mode	Measuring point (◎) Adjustment parts (①) Adjustment level (☆)	Adjustment procedure
-----	------	---	------	---	----------------------

2.9.3 Interchangeability adjustment

	interchangea	bility adjustment			
1	Preparation				(1) Connect a REWRITE board to the CN004 on the SYS/AUDIO board. Refer to section 3 page 3-5 (Fig.3.2) for more details. Note: Be sure to clean the tape transport parts and play a cleaning tape before proceeding to the compatibility adjustment.
2	RF envelope adjustment	Oscilloscope, alignment tape MC-1(NTSC) MC-2(PAL) Color bar portion	Play	© TP9 ENV OUT [REWRITE board] © TP5 HID [REWRITE board] ① Supply guide roller ① Take-up guide roller ☆ Make the wave- forms flat. The drop level should be less than 3 dB with both SUP and TU levels. ☆ Flatness variation should be less than 2 dB.	 (1) Play alignment tape color bar portion. (2) Observe the measuring points and adjust the supply guide roller and take-up guide roller so that the RF envelope is flat. (3) Set the mode to EJECT, then set to the PLAY mode and ensure that the RF envelope is flat.
	Error	y side	J. 2.9.5	Error on take-up side	

No.	ltem	Measuring instruments & Input signals	Mode	Measuring point (⊚) Adjustment parts (⊕) Adjustment level (☆)	Adjustment procedure
-----	------	---	------	---	----------------------

	I.a.		l=:		Las 2
3	Waveform rise check	Oscilloscope, alignment tape	Eject →Play Search FWD	© ENV OUT [REWRITE board]	(1) Switch the mode from Eject → Play and ensure that the envelope is stabilized in less than
		MC-1(NTSC)	→Play		1 sec.
		MC-2(PAL) Color bar portion	Search REV → Play	☆The envelope waveform should be	(2) Switch the mode from Search FWD → Play and from Search REV → Play, and ensure that
		Color bar portion	- I lay	restored within 1	the envelope is stabilized in less than 1 sec. in
				sec.	both cases.
					(3) If the envelope does not stabilized in the speci- fied period, fine-adjust the supply/take-up
					guide rollers as far as the envelope waveform
					specification is met, then restart checking from the above procedure (1) again.
					, , , , , , , , , , , , , , , , , , ,
4	Damage	• Self-recorded/	Play	© ENV OUT	(1) Transport the self-recorded/played Mini cas-
	check	played tape 60 ME	↓ Search REV	[REWRITE board] © HID [REWRITE board]	sette tape from the beginning by changing modes in order of Play → Search REV →
		270ME	↓	☆The tape should not	Search FWD → Play, and ensure that wrinkles
			Search FWD	be damaged by wrinkle.	due to strong restriction by the guide rollers and guide pole are not produced on tape.
			Play		(2) Perform the same check at the section near
					the end of tape. (3) Make sure that no tape damage occurs when
					a tape is being loaded, unloaded or ejected.
					(4) Perform the same produre (1) — (3) with stand- ard cassette.
5	Envelope	Oscilloscope,	FF	© ENV OUT	This checking should be done after completing the
	check during	alignment tape	REW	[REWRITE board]	ewitching point admetment
i	FF/REW	MC-1(NTSC)		HID [REWRITE board]	switching point adjustment. (1) Insert the alignment tape and enter Stop mode.
	FF/REW	MC-2(PAL)			(1) Insert the alignment tape and enter Stop mode.(2) Enter FF mode.
	FF/REW			○ HID [REWRITE board]	(1) Insert the alignment tape and enter Stop mode.(2) Enter FF mode.(3) Ensure that the envelope output is present at
	FF/REW	MC-2(PAL)			 (1) Insert the alignment tape and enter Stop mode. (2) Enter FF mode. (3) Ensure that the envelope output is present at 55 µs before the HID switching timing. (4) Check the take-up side of the envelope to see
	FF/REW	MC-2(PAL)			 (1) Insert the alignment tape and enter Stop mcde. (2) Enter FF mode. (3) Ensure that the envelope output is present at 55 µs before the HID switching timing.
	FF/REW	MC-2(PAL) Color bar portion			 (1) Insert the alignment tape and enter Stop mode. (2) Enter FF mode. (3) Ensure that the envelope output is present at 55 µs before the HID switching timing. (4) Check the take-up side of the envelope to see that the MAX output duration is more than 1/3 the HID duration. (5) Enter REW mode and check the same items
		MC-2(PAL)	^/		 (1) Insert the alignment tape and enter Stop mode. (2) Enter FF mode. (3) Ensure that the envelope output is present at 55 µs before the HID switching timing. (4) Check the take-up side of the envelope to see that the MAX output duration is more than 1/3 the HID duration. (5) Enter REW mode and check the same items as (3) and (4) above.
EN	FF/REW 	MC-2(PAL) Color bar portion			 (1) Insert the alignment tape and enter Stop mode. (2) Enter FF mode. (3) Ensure that the envelope output is present at 55 µs before the HID switching timing. (4) Check the take-up side of the envelope to see that the MAX output duration is more than 1/3 the HID duration. (5) Enter REW mode and check the same items as (3) and (4) above. (6) If the envelope is out of specification, check the tension band and main brake assembly and
EN		MC-2(PAL) Color bar portion		© HID [REWRITE board] ☆A < 55μsec. ☆B ≥ T/3	 (1) Insert the alignment tape and enter Stop mcde. (2) Enter FF mode. (3) Ensure that the envelope output is present at 55 µs before the HID switching timing. (4) Check the take-up side of the envelope to see that the MAX output duration is more than 1/3 the HID duration. (5) Enter REW mode and check the same items as (3) and (4) above. (6) If the envelope is out of specification, check
EN		MC-2(PAL) Color bar portion		© HID [REWRITE board] ☆A < 55μsec. ☆B ≥ T/3	 (1) Insert the alignment tape and enter Stop mode. (2) Enter FF mode. (3) Ensure that the envelope output is present at 55 µs before the HID switching timing. (4) Check the take-up side of the envelope to see that the MAX output duration is more than 1/3 the HID duration. (5) Enter REW mode and check the same items as (3) and (4) above. (6) If the envelope is out of specification, check the tension band and main brake assembly and replace as needed. Confirm the playback
EN		MC-2(PAL) Color bar portion		© HID [REWRITE board] ☆A < 55μsec. ☆B ≥ T/3	 (1) Insert the alignment tape and enter Stop mode. (2) Enter FF mode. (3) Ensure that the envelope output is present at 55 µs before the HID switching timing. (4) Check the take-up side of the envelope to see that the MAX output duration is more than 1/3 the HID duration. (5) Enter REW mode and check the same items as (3) and (4) above. (6) If the envelope is out of specification, check the tension band and main brake assembly and replace as needed. Confirm the playback
	v our	MC-2(PAL) Color bar portion		© HID [REWRITE board] ☆A < 55μsec. ☆B ≧ T/3 ® MAX HIGH	 (1) Insert the alignment tape and enter Stop mode. (2) Enter FF mode. (3) Ensure that the envelope output is present at 55 µs before the HID switching timing. (4) Check the take-up side of the envelope to see that the MAX output duration is more than 1/3 the HID duration. (5) Enter REW mode and check the same items as (3) and (4) above. (6) If the envelope is out of specification, check the tension band and main brake assembly and replace as needed. Confirm the playback
EN	v our	MC-2(PAL) Color bar portion		© HID [REWRITE board] ☆A < 55μsec. ☆B ≥ T/3 ® MAX	 (1) Insert the alignment tape and enter Stop mode. (2) Enter FF mode. (3) Ensure that the envelope output is present at 55 µs before the HID switching timing. (4) Check the take-up side of the envelope to see that the MAX output duration is more than 1/3 the HID duration. (5) Enter REW mode and check the same items as (3) and (4) above. (6) If the envelope is out of specification, check the tension band and main brake assembly and replace as needed. Confirm the playback
	v our	MC-2(PAL) Color bar portion	T	© HID [REWRITE board] ☆A < 55μsec. ☆B ≧ T/3 ® MAX HIGH LOW	 (1) Insert the alignment tape and enter Stop mode. (2) Enter FF mode. (3) Ensure that the envelope output is present at 55 µs before the HID switching timing. (4) Check the take-up side of the envelope to see that the MAX output duration is more than 1/3 the HID duration. (5) Enter REW mode and check the same items as (3) and (4) above. (6) If the envelope is out of specification, check the tension band and main brake assembly and replace as needed. Confirm the playback
	v our	MC-2(PAL) Color bar portion	T J. 2.9.6	© HID [REWRITE board] ☆A < 55μsec. ☆B ≧ T/3 ® MAX HIGH LOW	 (1) Insert the alignment tape and enter Stop mode. (2) Enter FF mode. (3) Ensure that the envelope output is present at 55 µs before the HID switching timing. (4) Check the take-up side of the envelope to see that the MAX output duration is more than 1/3 the HID duration. (5) Enter REW mode and check the same items as (3) and (4) above. (6) If the envelope is out of specification, check the tension band and main brake assembly and replace as needed. Confirm the playback
	v our	MC-2(PAL) Color bar portion	<	© HID [REWRITE board] ☆A < 55μsec. ☆B ≧ T/3 ® MAX HIGH LOW	 (1) Insert the alignment tape and enter Stop mode. (2) Enter FF mode. (3) Ensure that the envelope output is present at 55 µs before the HID switching timing. (4) Check the take-up side of the envelope to see that the MAX output duration is more than 1/3 the HID duration. (5) Enter REW mode and check the same items as (3) and (4) above. (6) If the envelope is out of specification, check the tension band and main brake assembly and replace as needed. Confirm the playback

SECTION 3 ELECTRICAL ADJUSTMENTS

3.1 PRECAUTIONS

Before proceeding to any electrical adjustment, it is required to confirm without fail that the objective item (function or part) is out of order. Moreover, for the item that needs exact mechanical adjustment prior to electrical adjustment, make sure that it is mechanically normal first and then proceed to electrical adjustment.

Start electrical adjustment at least 10 minutes after the VCR has been turned on.

Regarding an oscilloscope to be used for measurement, use the 10:1 probe.

3.1.1 Required tools and measuring instruments for adjustments

(1) Measuring instruments

- Oscilloscope (Dual-trace type for 100 MHz or higher frequency)
- Composite and Y/C video signal generator (LEADER 425A for NTSC or 425P for PAL, TEKTRONIX TSG-130A for NTSC or TSG-131A for PAL, or equivalent)
- Component signal generator (LEADER 425A for NTSC or 425P for PAL, TEKTRONIX TSG-130A for NTSC or TSG-131A for PAL, or equivalent)
- Vectorscope (TEKTRONIX 520A or equivalent)
- · Wave form monitor (TEKTRONIX 1585R or equivalent)
- Frequency counter (Sensitivity for 10 MHz or higher and 100 mV or lower.)
- Monitor TV
- · Audio tester

(2) Tools

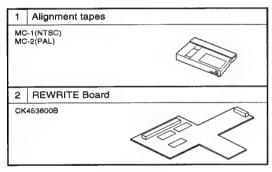


Table 3-1-1

3.1.2 Alignment tapes

MC-1/MC-2

No.	Video signal	Audio signal	Time (min.)	Application
1	Animated image	Sound of animated image	10	For check of block noise.
2	Color bars	1 kHz	10	 For adjustment of inter- changeability. For check and adjustment of playback video/audio circuit.

Table 3-1-2

3.1.3 Standard setup for adjustment

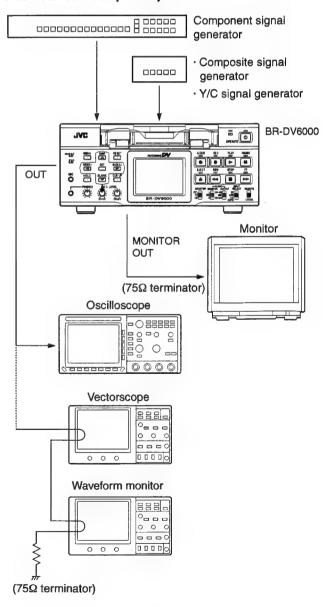


Fig. 3-1-1

3.1.4 Signals required for adjusting video system

The BR-DV6000 should be adjusted using signals with the color level at 100%, setup level at 7.5% (NTSC only) and Betacam level (component signals). Be sure to check the output level from the signal generator before adjustment. If a signal is with a color level of 75% or without a setup level (NTSC only), the adjusted value will be incorrect.

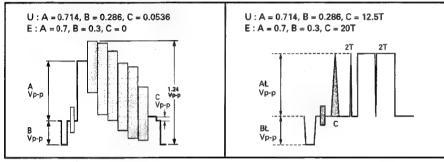
1 Composite signal

(1) Composite color-bar signal

(U: 100% Color bars with 7.5% setup)

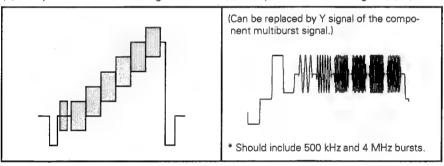
(E: 100% Color level, 0% setup)

(2) Composite pluse & bar signal



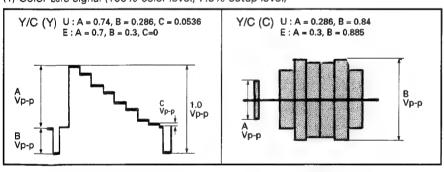
(3) Composite MOD 5 STEP Signal

(4) Composite multiburst signal (B/W)

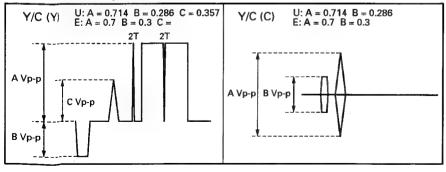


② Y/C signal

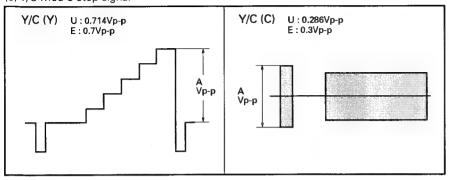
(1) Color bars signal (100% color level, 7.5% setup level)



(2) Y/C Pluse & bar signal



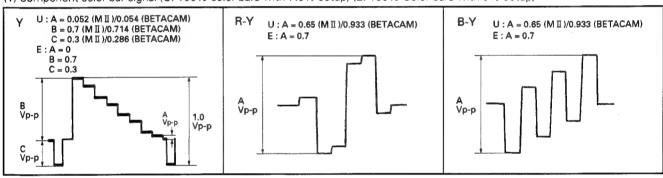
(3) Y/C Mod 5 step signal



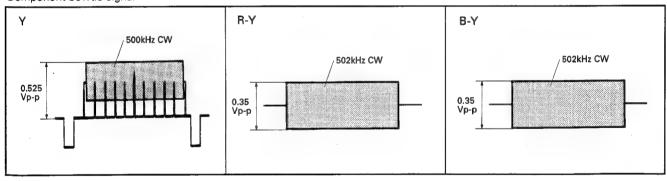
3 Component signals

The signals required for the adjustment are 100% chroma signal and the Betacam level. (The levels of MII are shown below as reference)

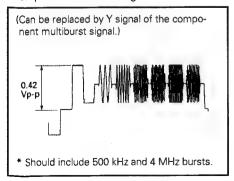
(1) Component color-bar signal (U: 100% color bars with 7.5% setup) (E: 100% Color bars with 0% setup)



Component bowtie signal



Composite multiburst signal



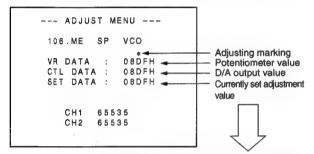
3.1.5 Adjustment menu

(1) Operation method

Use the ADJUST MENU for adjustments. The operating method is as follows.

- Make sure of no cassette in the VTR. While holding the [REW] and [FF] buttons, press the [OPERATE] button to turn the unit on.
- When the unit is turned on, press and hold the [MENU] button for about 2 seconds until the ADJUST MENU is displayed.
- ③ Press the [SET] button so that the "*" marking blinks and, while observing the specified TP, the measuring instrument and others, press the ▲ button or ▼ button to adjust the value to the specified value.

(Pressing the [A.DUB] button simultaneously with the ▲ or ▼ button varies the adjustment value by ±10 steps.)



Pressing the [SET] button causes the value being adjusted with the potentiometer to be the adjustment value.

- After completing the adjustment, press the [SET] button again to turn the "*" marking off and store the adjustment value. (The adjustment value is not stored unless the [SET] button is pressed.)
- ④ Press the ► or ◀ button to select the next adjustment item.

Notes:

• To return to normal operating status, turn the unit off then on again. If this is not performed, it is not possible to display the normal operation menu.

(2) Adjustment items and initial data

The initial values are merely the typical values, which are written automatically after the EEP-ROM replacement, etc. As the adjustments will not be correct if these values are left, be sure to perform actual adjustments before use.

The hatched rows in the following table indicate that adjustments are not necessary so, do not change the value of the initial settings.

Na	Adjustment item	Initial value	Adjustment
No.	(OSD charactters)	(CTL DATA)	range
100	SW POINT	Auto	00000000 – FFFFFFF
105	ME REC CURRENT	121	0 – 255
106	ME SP VCO	0890(Hex)	0000h – FFFFh
110	FS PLL 48kHz	25	0 – 255
111	FS PLL 44.1kHz	83	0 – 255
112 113	FS PLL 32kHz 27MHz VCO	25 143	0 – 255 0 – 255
114	ATF GAIN	110	0 - 255
115	AGC GAIN	132	0-255
116	DUMP CTL	68	0 - 255
118	BGNEND SENS	18	0 - 255
119	FWD TORQUE	192	0 – 255
120	REV TORQUE	192	0 – 255
201	LINE YLEV		
202	YC YLEV		
203 204	YC CLEV CPN YLEV		_
205	CPN B-Y LEV		
206	CPN R-Y LEV	_	_
207	INTERNAL 27M ADJ	98	0 – 255
208	NO IN 27M ADJ	100	0 – 255
209	EXT H PHASE AD(PB_NTSC)	124	0 – 255
210	EXT H PHASE AD(PB_PAL)	116	0 – 255
211	IN H PHASE ADJ	155	0 - 255
212	SETUP ADJ(LINE)	84	0 – 255
213	SETUP ADJ(YC) SETUP ADJ(CPN)	108	0 - 255
214 215	Y ADJ(LINE)	101 188	0 - 255 0 - 255
216	Y ADJ(YC)	212	0 - 255
217	Y ADJ(CPN)	209	0 – 255
218	REC YFREQ ADJ(LINE)	91	0 – 255
219	REC YFREQ ADJ(YC)	99	0 – 255
220	REC YFREQ ADJ(CPN)	100	0 – 255
221	ACC CLEV	76	0 – 255
222	HUE ADJ(LINE)	100	0 - 255
223 224	HUE ADJ(YC) R-Y DL ADJ(LINE)	107 68	0 - 255 0 - 256
225	R-Y DL ADJ(YC)	64	0 - 256
226	R-Y DL ADJ(CPN)	49	0 - 256
227	B-Y DL ADJ(LINE)	70	0 – 256
228	B-Y DL ADJ(YC)	71	0 – 256
229	B-Y DL ADJ(CPN)	45	0 - 256
230	R-Y ADJ(LINE)	190	0 – 256
231	R-Y ADJ(YC)	118	0 - 256
232	R-Y ADJ(CPN)	206	0 - 256
233 234	B-Y ADJ(LINE) B-Y ADJ(YC)	189	0 - 256 0 - 256
235	B-Y ADJ(CPN)	205	0 - 256
	SUB-BRIGHT R	52	0 - 127
242	SUB-BRIGHT B	52	0 – 127
243	PEAKING	15	0 – 127
244	CONTRAST R	84	0 – 127
245	CONTRAST B	84	0 – 127
	GAMMA-1	0	0 - 127
	GAMMA-2	5 O	0 - 127 0 - 127
	PSIG BRIGHT COMMON DC	80	
249 250	HUE	60 64	0 – 127 0 – 127
251	VCO FINE(PB_NTSC)	144	0 – 256
	VCO FINE(PB PAL)	166	0 - 256
253	BLACK LIMITER	54	0 - 63
254	VCO COARSE(PB_NTSC)	4	0 - 7
255	VCO COARSE(PB PAL)	4	0 - 7
256	H-POSITION(PB_NTSC)	15	2 - 31
257	H-POSITION(PB_PAL) AUDIO LEVEL ADJ	12	2 – 31
258	AUDIU LEVEL AUJ		

3.2 DVC UNIT ADJUSTMENTS

Preparation: Connect the Rewrite board (CK453800B) to CN004 on the SYS/AUDIO board. Connect it in the orientation shown in Fig. 3.2, so that the test point surface (component mounting surface) faces toward the rear.

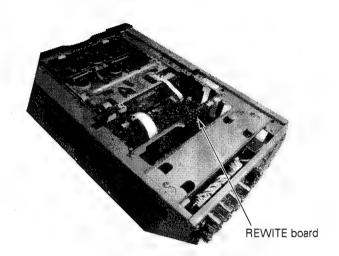


Fig. 3.2 Rewrite board connection method

No.	ltem	Measuring instruments & Input signals	Mode	Measuring point (⊚) Adjustment parts (⊕) Adjustment level (☆)	Adjustment procedure
1	PB switching point adjustment HID (TP5) — SPA (TP6) — ENV OUT — (TP9)	Alignment tape, NTSC: MC-1 or PAL: MC-2 color bar recorded section a, b: 126μ sec ±10μ Fig. 3.2.1(1)	• PLAY • ADJUST MENU, 100. PB SW POINT	© TP6 (SPA) © TP9 (ENV OUT) TRIG: TP5 (HID) GND: TP1 (GND) [Rewrite board] ① Auto adjustment ☆ a and b = 126 μs sec ± 10 μs sec	 (1) Select ADJUST MENU No. 100, "PB SW POINT". (2) Play the alignment tape. Ensure that the compatibility adjustment has been performed and the FM waveform at TP9 (ENV OUT) is flat and stable. (3) Press the [SET] button to cause the * marking to blink. The PB switching point will be adjusted automatically.

No.	Item	Measuring instruments & Input signals	Mode	Measuring point (⊚) Adjustment parts (⊕) Adjustment level (☆)	Adjustment procedure
	100. VR C CTL SET	DATA : DATA : 120 DATA : 120 A : 00000000	Press to times to	he [PLAY] button a few o display data. splaying the data, press T] button to complete the nent.	(4) Measure TP6 (SPA) by triggering TP5 (HID) and confirm that the values a and b are within the specified ranges. (5) Press the [PLAY] button a few times to display the adjustment data in the "DATA:" field. (The DATA value should not be 00000000 or FFFFFFFF.) (6) Press the [SET] button to store the adjustment data. NOTE: Make sure that the data value is displayed before pressing the [SET] button. If this adjustment is completed before the data value is displayed the adjustment value will not be put into the memory.
2	105. VR 0	ADJUST MENU ME REC CURREN DATA : 115 DATA : 115 CH1 65535 CH2 65535		© Monitor display ① [PLAY] and [STOP] buttons ☆ SET DATA = 115	(1) Select ADJUST MENU No. 105, "ME REC CURRENT" and enter REC mode. (2) Check the set data so that the value is "115" (Recording current is approx. 360 mVp-p) If not, adjust the value to "115" (3) Press the [SET] button to store the adjustment data.

No.	ltem	Measuring instruments & Input signals	Mode	Measuring point (⊚) Adjustment parts (⊕) Adjustment level (☆)	Adjustment procedure
4	FS PLL 48 kHz adjust- ment	Frequency counter No input	EE ADJUST MENU, 110. FS PLL 48 kHz	© TP4 (FS PLL) GND: TP1 (GND) [Rewrite board] ① [▲] and [▼] buttons ☆ 12.288 MHz ± 0.1 MHz	 (1) Select ADJUST MENU No. 110, "FS PLL 48 kHz". (2) Adjust the frequency to the specified level. (3) Press the [SET] button to store the adjustment data.
	FS PLL 44.1 kHz adjustment	Frequency counter No input	EE ADJUST MENU, 111. FS PLL 44.1 kHz	© TP4 (FS PLL) GND: TP1 (GND) [Rewrite board] ① [▲] and [▼] buttons ☆ 11.2896 MHz ± 0.1 MHz	 (1) Select ADJUST MENU No. 111, "FS PLL 44.1 kHz". (2) Adjust the frequency to the specified level. (3) Press the [SET] button to store the adjustment data.
6	FS PLL 32 kHz adjust- ment	No input.	EE ADJUST MENU,112. FS PLL 32 kHz	 Monitor display [♠] and [♥] buttons Value adjusted in No. 110, "FS PLL 48 kHz" in item 4 above. 	 (1) Select ADJUST MENU No. 112, "FS PLL 32 kHz". (2) Adjust to the same value as the FS PLL 48 kHz adjustment value. (Setting range: 0 to 255) (3) Press the [SET] button to store the adjustment data.
7	27 MHz VCO center frequency adjustment	Frequency counter No input	EE ADJUST MENU,113. 27 MHz VCO	© TP7 (MAIN VCO) GND: TP1 (GND) [Rewrite board] ① [▲] and [▼] buttons ☆ 13.5 MHz ± 0.1 MHz	 (1) Select ADJUST MENU No. 113, "27 MHz VCO". (2) Adjust the frequency to the specified level. (3) Press the [SET] button to store the adjustment data.

No.	ltem	Measuring instruments & Input signals	Mode	Measuring point (◎) Adjustment parts (①) Adjustment level (☆)	Adjustment procedure
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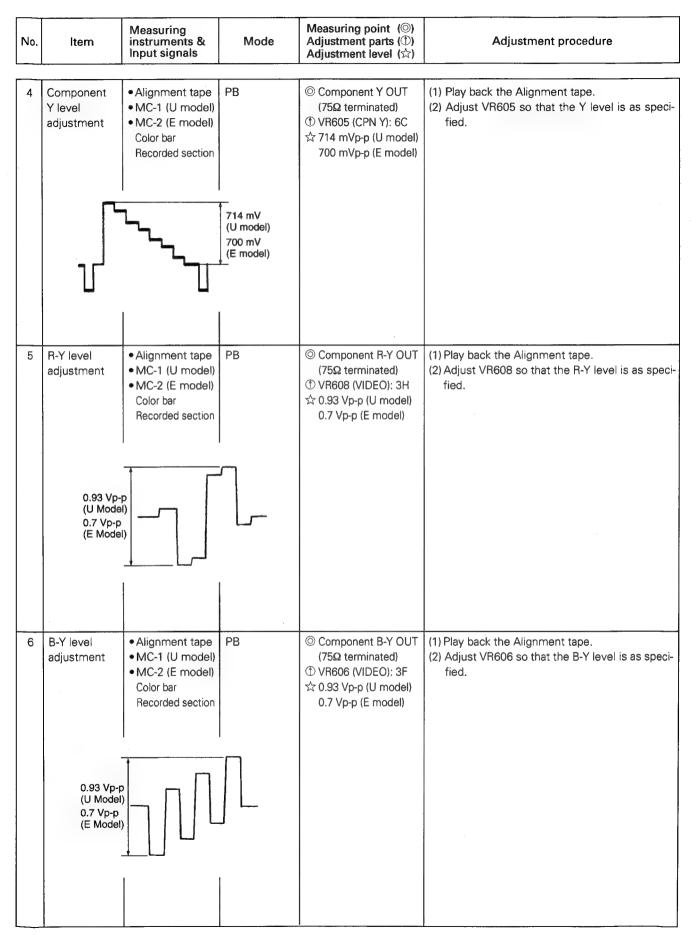
3.3 ADJUSTMENTS ON THE VIDEO BOARD

3.3.1 Video Adjustment

Preparation: Set the MENU SW "SYNC SELECT" of system to Extermal.

U: Set the MENU SW "SETUP" of VIDEO to ON. E: Set the MENU SW "SETUP" of VIDEO to OFF.

1	LINE Y level adjustment	Alignment tape MC-1 (U model) MC-2 (E model) Color bar Recorded section	PB	© LINE OUT (75 Ω terminated) ① VR602 (VIDEO): 9D ☆ 714 mV (U model) 700 mV (E model)	(1) Play back the Alignment tape. (2) Adjust VR602 so that the Y level is as specified.
	714 mVp-p (U model) 700 mVp-p (E model)				
2	Y/C Y level adjustment	Alignment tape MC-1 (U model) MC-2 (E model) Color bar Recorded section	PB	© Y/C Y OUT (75 Ω terminated) ① VR603 (VIDEO): 13I ☆ 714 mV (U model) 700 mV (E model)	(1) Play back the Alignment tape. (2) Adjust VR603 so that the Y level is as specified.
	714 mVp-p (U model) 700 mVp-p (E model)				
3	Y/C C output level adjustment	Alignment tape MC-1 (U model) MC-2 (E model) Color bar Recorded section	PΒ	© Y/C C OUT (75 Ω terminated) ① VR604 (VIDEO 1): 9B ☆ 0.286 Vp-p (U model) 0.3 Vp-p (E model)	(1) Play back the Alignment tape. (2) Adjust VR604 so that the burst level at the C output of Y/C OUT is as specified.
	0.286 Vp- (U-Model) 0.3 Vp-p (p E-Model)			



No.	ltem	Measuring instruments & Input signals	Mode	Measuring point (©) Adjustment parts (①) Adjustment level (☆)	Adjustment procedure
7	Internal 27 MHz adjustment	Alignment tape MC-1 (U model) MC-2 (E model) Color bar Recorded section Frequency counter No input Rewrite board		© TP3 GND: TP1 (GND) [Rewrite board] ① [▲] and [▼] buttons ☆ 27 MHz ± 30 MHz	 (1) Select ADJUST MENU No. 207, "INTERNAL 27M ADJ". (2) Adjust the Frequency to the specified level. (3) Press the [SET] button to store the adjustment data.
8	No Input 27MHz adjustment	Frequency counter No input Rewrite board	EE ADJUST MENU, 208. NO IN 27M ADJ	© TP3 GND: TP1 (GND) [Rewrite board] ① [▲] and [▼] buttons ☆ 27 MHz ± 30 Hz	 (1) Select ADJUST MENU No. 208, "NO IN 27M". (2) Adjust the frequency to the specified level. (3) Press the [SET] button to store the adjustment data.
9	EXTH PHASE adjustment (PB_NTSC)	Oscilloscope Alignment tape MC-1 color bar Composite color-bar signal (NTSC) SYNC IN	PB ADJUST MENU, 209. EXT H PHASE (NTSC)	© LINE OUT ① [▲] and [▼] buttons ☆ LINE OUT and SYNC IN signal are same phase.	 (1) Connect an oscilloscope to LINE OUT and SYNC IN terminals and set the oscilloscope to CHOP mode. (2) Select ADJUST MENU No. 209, "EXT H PHASE". (3) Adjust [▲] and [▼] so that LINE OUT and SYNC IN signals correspond to each other in the sync phase. (4) Press the [SET] button to store the adjustment data.
	Adjust waveforms to be in the same phase. SYNC IN LINE OUT				

No.	ltem	Measuring instruments & Input signals	Mode	Measuring point (©) Adjustment parts (①) Adjustment level (☆)	Adjustment procedure
10	EXT H PHASE adjustment (PB_PAL)	Oscilloscope Alignment tape MC-2 color bar Composite color bar signal (PAL) SYNC IN	PB ADJUST MENU, 210. EXT H PHASE (PAL)	© LINE OUT ① [▲] and [▼] buttons ☆ SYNC IN and LINE OUT are same phase.	 (1) Connect an oscilloscope to LINE OUT and SYNC IN terminals and set the oscilloscope to CHOP mode. (2) Select ADJUST MENU No. 210, "EXT H PHASE AD (PB_PAL)". (3) Adjust the [▲] and [▼] so that LINE OUT and SYNC IN signals correspond to each other in the sync phase. (4) Press the [SET] button to store the adjustment data.
			djust waveform		
11	IN H PHASE adjustment	Oscilloscope Composite color bar signal LINE IN	EE ADJUST MENU, 211. IN H PHASE ADJ	© LINE OUT ① [▲] and [▼] buttons ☆ A = B	 (1) Connect an oscope to LINE OUT and LINE IN terminals and set the oscilloscope to CHOP mode. (2) Select ADJUST MENU No. 211, "IN H PHASE ADJ". (3) Adjust the [▲] and [▼] so that LINE OUT and LINE IN signals correspond to each other (A = B).
	LINE IN		A	A = B	(4) Press the [SET] button to store the adjustment data.
	LINE OUT	SYNC	В	/ 50% 0%	

No.	Item	Measuring instruments & Input signals	Mode	Measuring point (◎) Adjustment parts (⑪) Adjustment level (☆)	Adjustment procedure
12	LINE IN SETUP level adjustment (U model only)	WFM or oscilloscope LINE IN. 100% color bar (SETUP 7.5%)	EE ADJUST MENU, 212. SETUP ADJ (LINE)	 ○ LINE OUT (75 Ω terminated) ① [▲] and [▼] buttons ☆ 53.6 ± 5 mV of the pedestal level 	 (1) Set the INPUT SELECT SW to LINE. (2) Select ADJUST MENU No. 212, "SETUP ADJ (LINE)". (3) Adjust so that the setup level is as specified. (4) Press the [SET] button to store the adjustment data.
			↓ 53.6mV±5m	nV	
		Adjustment with	setup		
13	Y/C IN SETUP level adjustment (U model only)	WFM or oscilloscope Y/C IN. 100% color bar (SETUP 7.5%)	EE ADJUST MENU, 213. SETUP ADJ (YC)	 Y/C Y OUT (75 Ω terminated) (▲) and (▼) buttons 53.6 ± 5 mV of the pedestal level 	(1) Set the INPUT SELECT SW to LINE. (2) Select ADJUST MENU No. 213, "SETUP ADJ (YC)". (3) Adjust so that the setup level is as specified. (4) Press the [SET] button to store the adjustment data.
	·		53.6mV±5m		
		Adjustment with	setup		
14	COMPONENT SETUP level adjustment (U model only)	WFM or oscilloscope COMPONENT IN. 100% color bar (SETUP 7.5%)	EE ADJUST MENU, 214. SETUP ADJ (CPN)	 © Component Y OUT (75 Ω terminated) ① [▲] and [▼] buttons ☆ 53.6 ± 5 mV of the pedestal level 	 (1) Set the INPUT SELECT SW to LINE. (2) Select ADJUST MENU No. 214, "SETUP ADJ (CPN)". (3) Adjust so that the setup level is as specified. (4) Press the [SET] button to store the adjustment data.
			_ ↓ 53.6mV±5m		
		Adjustment with	setup		
L					

No.	ltem	Measuring instruments & Input signals	Mode	Measuring point (ⓒ) Adjustment parts (句) Adjustment level (☆)	Adjustment procedure
15	LINE IN Y level adjustment	WFM or oscilloscope LINE IN. 100% color bar U: SETUP 7.5% E: SETUP 0%	EE ADJUST MENU, 215. Y ADJ (LINE)	© LINE OUT (75 Ω terminated) ① [▲] and [▼] buttons ☆ U: 714 mVp-p (U model) E: 700 mVp-p (E model)	 (1) Set the INPUT SELECT SW to LINE. (2) Select ADJUST MENU No. 215, "Y ADJ (LINE)". (3) Adjust so that the difference from the pedestal to 100% WHITE is as specified. (4) Press the [SET] button to store the adjustment data.
		~~~~~ <u>~</u>	714 mVp-p (U model) 700 mVp-p (E model)		
16	Y/C IN Y level adjustment	WFM or oscilloscope Y/C IN. 100% color bar U: SETUP 7.5% E: SETUP 0%	EE ADJUST MENU, 216. Y ADJ (YC)	⊚ Y/C Y OUT (75 Ω terminated) ① [▲] and [♥] buttons ☆ U: 714 mVp-p (U model) E: 700 mVp-p (E model)	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 216, "Y ADJ (YC)".</li> <li>(3) Adjust so that the difference from the pedestal to 100% WHITE is as specified.</li> <li>(4) Press the [SET] button to store the adjustment data.</li> </ul>
	\ \frac{1}{1}		714 mVp-p (U model) 700 mVp-p (E model)		
17	COMPONENT IN REC Y level adjustment		EE ADJUST MENU, 217. Y ADJ (CPN)	© Component Y OUT (75 Ω terminated) ① [▲] and [▼] buttons ☆ U: 714 mVp-p (U model) E: 700 mVp-p (E model)	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 217, "Y ADJ (CPN)".</li> <li>(3) Adjust so that the difference from the pedestal to 100% WHITE is as specified.</li> <li>(4) Press the [SET] button to store the adjustment data.</li> </ul>
			714 mVp-p (U model) 700 mVp-p (E model)		

No.	ltem	Measuring instruments & Input signals	Mode	Measuring point (◎) Adjustment parts (₺) Adjustment level (₺)	Adjustment procedure
18	LINE IN REC Y Frequency response adjustment	Oscilloscope LINE input multi burst signal	EE ADJUST MENU, 218. REC YFREQ ADJ(LINE)	© LINE OUT (75 Ω terminated) ① [▲] and [▼] buttons	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 218, "REC YFREQ ADJ (LINE)".</li> <li>(3) Adjust to equalize 4MHz signal level with 500KHz signal level.</li> <li>(4) Press [SET] button to store the adjustment data.</li> </ul>
	Refe	erence 500k 1.0M 2.0	OM 3.0M 4.0M		
19	Y/C IN REC Y Frequency response adjustment	Oscilloscope Y/C input Multi burst signal	EE ADJUST MENU, 219. REC YFREQ ADJ (YC)	<ul><li></li></ul>	<ol> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 219, "REC YFREQ ADJ (YC)".</li> <li>(3) Adjust to equalize 4MHz signal level with 500 KHz signal level.</li> <li>(4) Press [SET] button to store the adjustment data.</li> </ol>
	Refe	erence 500k 1.0M 2.0	DM 3.0M 4.0M		
20	COMPONENT IN REC Y Frequency response adjustment	Oscilloscope Component input Multi burst signal	EE ADJUST MENU, 220. REC YFREQ ADJ (CPN)	© Component Y OUT (75 Ω terminated) ① [▲] and [▼] buttons	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 220, "REC YFREQ ADJ (CPN)".</li> <li>(3) Adjust to equalize 4 MHz signal level with 500 KHz signal level.</li> <li>(4) Press [SET] button to store the adjustment data.</li> </ul>
		erence 500k 1.0M 2.0	OM 3.0M 4.0M		

No.	Item	Measuring instruments & Input signals	Mode	Measuring point (ⓒ) Adjustment parts (①) Adjustment level (☆)	Adjustment procedure
21	HUE adjustment (LINE)	Vectorscope LINE input Modulated 5 step	ADJUST MENU 222	© LINE OUT  (75 Ω terminated)  ① [▲] and [▼] buttons  Burst signal  [E MODEL]	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 222, "HUE ADJ (LINE)".</li> <li>(3) Adjust to equalize color phase with burst signal (U model). Adjust to color phase is center between two burst signals (E model).</li> <li>(4) Press [SET] button to store the adjustment data.</li> </ul>
22	HUE adjustment (Y/C)	Vectorscope Y/C input Modulated 5 step  Modulated 5 step  Burst signal [U MODEL]	EE ADJUST MENU 223	© Y/C C OUT  (75 Ω terminated)  ① [▲] and [▼] buttons  Burst signal  [E MODEL]	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 223, "HUE ADJ (YC)".</li> <li>(3) Adjust to equalize color phase with burst signal (U model). Adjust to color phase is center between two burst signals (E model).</li> <li>(4) Press [SET] button to store the adjustment data.</li> </ul>
23	ACC COLOR LEVEL adjustment	Oscilloscope 100% color bar U: SETUP 7.5% E: SETUP 0%	EE ADJUST MENU, 221. ACC CLEV	© TP209 (VIDEO) GND : AG (VIDEO) ① [▲] and [▼] buttons	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 221, "ACC CLEV".</li> <li>(3) Adjust so that the ACC CLEVEL is as specified.</li> <li>(4) Press [SET] button to store the adjustment data.</li> <li>NOTE:  This ITEM must be adjusted after completion of ITEM No. 21 and No. 22.</li> </ul>

No.	ltem	Measuring instruments & Input signals	Mode	Measuring point (◎) Adjustment parts (①) Adjustment level (☆)	Adjustment procedure
24	R-Y DL ADJ (LINE)	Oscilloscope LINE input Pulse & bar signal	EE ADJUST MENU 224 R-Y DL ADJ (LINE)	© LINE OUT (75 Ω terminated) ① [▲] and [▼] buttons	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 224, "R-Y DL ADJ (LINE)".</li> <li>(3) Adjust so that the waveform of the Modulate section of pulse &amp; bar signal is symmetrical.</li> <li>(4) Press [SET] button to store the adjustment data.</li> </ul>
			DK ulate section	NG	
25	R-Y DL ADJ (Y/C)	Oscilloscope Y/C input Pulse & bar signal	EE ADJUST MENU 225 R-Y DL ADJ (YC)	© Y/C Y & C OUT (75 Ω terminated) ① [▲] and [▼] buttons	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 225, "R-Y DL ADJ (YC)".</li> <li>(3) Adjust buttons so that the waveform of the Modulate section of pulse &amp; bar signal is symmetrical.</li> <li>(4) Press [SET] button to store the adjustment data.</li> </ul>
		12.5T mod	ulate section	I	
26	R-Y DL ADJ (CPN)	Oscilloscope Component input Bowtie	EE ADJUST MENU 226 R-Y DL ADJ (CPN)	© Component Y & R-Y OUT (75 Ω terminated) ⊕ [▲] and [♥] buttons	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Connect the oscilloscope's CH-1 with COMPONENT Y OUT terminal while connecting its CH-2 with the R-Y terminal, and set the oscilloscope for ADD mode with the same range for both the channels. Set its CH-2 to INV. mode.</li> <li>(3) Select ADJUST MENU No. 226, "R-Y DL ADJ</li> </ul>
		<b>////////////////////////////////////</b>	H-rate		<ul> <li>(CPN)".</li> <li>(4) Adjust so that the crossover point of the signals apporoximately correspond to the center marker.</li> <li>(5) Press [SET] button to store the adjustment data.</li> </ul>
		NG	NG	I	

No.	ltem	Measuring instruments & Input signals	Mode	Measuring point (©) Adjustment parts (①) Adjustment level (☆)	Adjustment procedure
27	B-Y DL ADJ (LINE)	Oscilloscope LINE input Pulse & bar signal	B-Y DL ADJ (LINE)	© LINE OUT (75 Ω terminated) ① [▲] and [▼] buttons	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 227, "B-Y DL ADJ (LINE)".</li> <li>(3) Adjust so that the waveform of the Modulate section of pulse &amp; bar signal is symmetrical.</li> <li>(4) Press [SET] button to store the adjustment data.</li> </ul>
		12.5T modu	late section		
28	B-Y DL ADJ (Y/C)	Oscilloscope Y/C input Pulse & bar signal	EE ADJUST MENU 228 B-Y DL ADJ (YC)	© Y/C Y & C OUT (75 Ω terminated) ① [▲] and [▼] buttons	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 228, "B-Y DL ADJ (YC)".</li> <li>(3) Adjust so that the waveform of the Modulate section of pulse &amp; bar signal is symmetrical.</li> <li>(4) Press [SET] button to store the adjustment data.</li> </ul>
		NG O		NG NG	odta.
		12.5T modu	late section		
29	B-Y DL ADJ (CPN)	Oscilloscope Component input Pulse & bar signal	EE ADJUST MENU 229 B-Y DL ADJ (CPN)	© Component Y & B-Y OUT (75 Ω terminated) ① [▲] and [▼] buttons	(1) Set the INPUT SELECT SW to LINE. (2) Connect the ocillscope's CH-1 with COMPONENT Y OUT terminal while connecting its CH-2 with the B-Y terminal, and set the ocilloscope for ADD mode with the same range for both the channels. Set its CH-2 to INV. mode.
		<b>(M)</b>	H-rate		<ul> <li>(3) Select ADJUST MENU No. 229, "B-Y DL ADJ (CPN)".</li> <li>(4) Adjust so that the crossover point of the signals apporoximately correspond to the center marker.</li> <li>(5) Press [SET] button to store the adjustment data.</li> </ul>
		NG	NG	7	

No.	ltem	Measuring instruments & Input signals	Mode	Measuring point (〇) Adjustment parts (①) Adjustment level (☆)	Adjustment procedure
30	R-Y ADJ (LINE)	Vectorscope LINE input 100% color bar U: SETUP 7.5% E: SETUP 0%	(LINE)	© LINE OUT (75 Ω terminated) ① [▲] and [▼] buttons  Cyan [E model]	<ol> <li>Set the INPUT SELECT SW to LINE.</li> <li>Select ADJUST MENU No. 230, "R-Y ADJ (LINE)".</li> <li>Adjust the vectorscope's GAIN control to return the luminescent spot of the burst signal to the original position.</li> <li>Adjust to luminescent spot of cyan in the mark on the vectorscope.</li> <li>Press [SET] button to store the adjustment data.</li> </ol>
31	R-Y ADJ (Y/C)	Vectorscope Y/C input 100% color bar U: SETUP 7.5% E: SETUP 0%	an an	© Y/C C OUT (75 Ω terminated) ① [▲] and [▼] buttons  Cyan [E model]	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 231, "R-Y ADJ (YC)".</li> <li>(3) Adjust the vectorscope's GAIN control to return the luminescent spot of the burst signal to the original position.</li> <li>(4) Adjust to luminescent spot of cyan in the mark on the vectorscope.</li> <li>(5) Press [SET] button to store the adjustment data.</li> </ul>

	Input signals	Mode	Measuring point (©) Adjustment parts (①) Adjustment level (☆)	Adjustment procedure
R-Y ADJ (CPN)	Vectorscope Component input 100% color bar U: SETUP 7.5% E: SETUP 0%	EE ADJUST MENU 232 R-Y ADJ (CPN)	© R-Y OUT (COMPONENT Y) (75 Ω terminated) ① [▲] and [▼] buttons ☆ U: 933 mVp-p (U model) E: 700 mVp-p (E model)	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 232, "R-Y ADJ (CPN)".</li> <li>(3) Adjust so that the R-Y LEVEL is as specified.</li> <li>(4) Press [SET] button to store the adjustment data.</li> </ul>
	(U model 700 mVp-r			
B-Y ADJ (LINE)	Vectorscope LINE input 100% color bar U: SETUP 7.5% E: SETUP 0%  Yellow	EE ADJUST MENU 233 B-Y ADJ (LINE)  Yellov	© LINE OUT (75 Ω terminated) ① [▲] and [▼] buttons	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 233, "B-Y ADJ (LINE)".</li> <li>(3) Adjust the vectorscope's GAIN control to return the luminescent spot of the burst signal to the original position.</li> <li>(4) Adjust to luminescent spot of yellow in the mark on the vectorscope.</li> <li>(5) Press [SET] button to store the adjustment data.</li> </ul>
·	[U mod	el]	[E model]	
B-Y ADJ (Y/C)	Vectorscope Y/C input 100% color bar U: SETUP 7.5% E: SETUP 0%  Yellow  [U mo	A SOLUTION OF THE PARTY OF THE	© Y/C C OUT (75 Ω terminated) ① [♠] and [▼] buttons	<ol> <li>Set the INPUT SELECT SW to LINE.</li> <li>Select ADJUST MENU No. 234, "B-Y ADJ (YC)".</li> <li>Adjust the vectorscope's GAIN control to return the luminescent spot of the burst signal to the original position.</li> <li>Adjust to luminescent spot of yellow in the mark on the vectorscope.</li> <li>Press [SET] button to store the adjustment data.</li> </ol>
	B-Y ADJ (LINE)	B-Y ADJ (LINE)  B-Y ADJ (LINE)  B-Y ADJ (Vectorscope LINE input 100% color bar U: SETUP 7.5% E: SETUP 0%  Yellow	B-Y ADJ (LINE)  Yellow  Yellow	B-Y ADJ (LINE)  Vectorscope (LINE)  LINE input 100% color bar U: SETUP 7.5% E: SETUP 0%  B-Y ADJ (LINE)  B-Y ADJ (LINE)  Vellow  Yellow  Yellow

No.	ltem	Measuring instruments & Input signals	Mode	Measuring point (◎) Adjustment parts (⑪) Adjustment level (☆)	Adjustment procedure
35	B-Y ADJ (CPN)	Vectorscope Component input 100% color bar U: SETUP 7.5% E: SETUP 0%	MENU 235	© B-Y OUT (COMPONENT Y) (75 Ω terminated) ① [▲] and [▼] buttons ☆ U: 933 mVp-p (U model) E: 700 mVp-p (E model)	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 235, "B-Y ADJ (CPN)".</li> <li>(3) Adjust so that the B-Y LEVEL is as specified.</li> <li>(4) Press [SET] button to store the adjustment data.</li> </ul>
		933 mVp-p (U model) 700 mVp-p (E model)			
36		Vectorscope LINE input 100% color bar U: SETUP 7.5% E: SETUP 0%  [U model] hat all spots are locate or of $\coprod$ mark.	(LINE)	© LINE OUT (75 Ω terminated)  ① [▲] and [▼] buttons  [E model]	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 222, "HUE ADJ (LINE)".</li> <li>(3) Adjust the vectorscope's GAIN control to return the luminescent spot of the burst signal to the original position.</li> <li>(4) Adjust to luminescent all spot in the ⊞ mark on the vectorscope.</li> <li>(5) Press [SET] button to store the adjustment data.</li> </ul>
37	HUE ADJ (Y/C)	Vectorscope Y/C input 100% color bar U: SETUP 7.5% E: SETUP 0%  [U model] hat all spots are locater of $\coprod$ mark.	The state of the s	© Y/C C OUT (75 Ω terminated) ① [▲] and [▼] buttons  [E model]	<ul> <li>(1) Set the INPUT SELECT SW to LINE.</li> <li>(2) Select ADJUST MENU No. 234, "B-Y ADJ (YC)".</li> <li>(3) Adjust the vectorscope's GAIN control to return the luminescent spot of the burst signal to the original position.</li> <li>(4) Adjust to luminescent spot of yellow in the mark on the vectorscope.</li> </ul>

No.	Measuring Item instruments & Input signals	Mode	Measuring point (⑤) Adjustment parts (①) Adjustment level (☆)	Adjustment procedure
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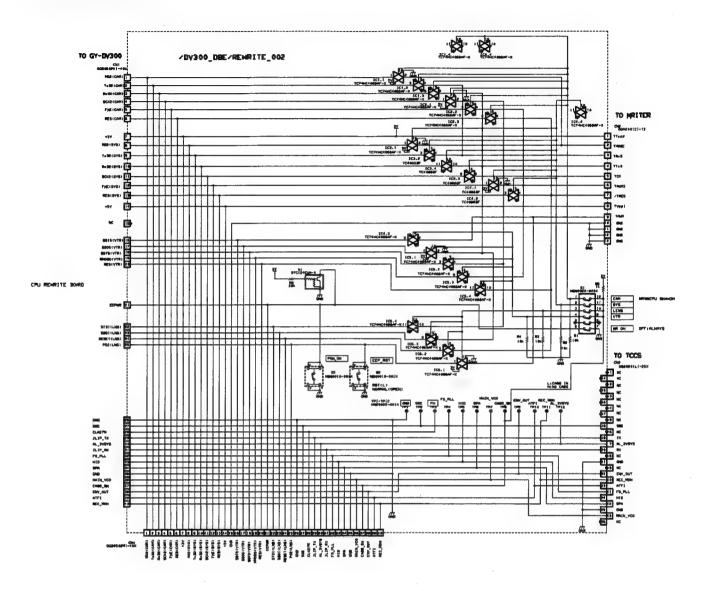
## 3.4 AUDIO ADJUSTMENT

1	Audio output (RCA) adjustment	Audio tester Internal audio signal	EE ADJUST MENU 258 AUDIO LEVEL ADJ	© AUDIO OUT (RCA)  ① VR101 (CH-1)  (SYS/AUDIO Board)  VR102 (CH-2)  (SYS/AUDIO Board)  ☆ +12 dBm ± 0.5 dB	<ul><li>(1) Select ADJUST MENU No. 258, "AUDIO LEVEL ADJ".</li><li>(2) Adjust VR101 and VR102 so that the audio outputs are as spcified.</li></ul>
2	Audio output (XLR) adjustment	Audio tester Internal audio signal	EE ADJUST MENU 258 AUDIO LEVEL ADJ	© AUDIO OUT(XLR)  ① VR103 (CH-1) (SYS/AUDIO Board) VR104 (CH-2) (SYS/AUDIO Board) ☆ +24 dBm ± 0.5 dB	<ul> <li>(1) Install the SA-X62U (optional Board).</li> <li>(2) Select ADJUST MENU No. 258, "AUDIO LEVEL ADJ".</li> <li>(3) Adjust VR103 and VR104 so that the audio outputs are as spcified.</li> </ul>

## 3.5 LCD ADJUSTMENT

	CD ADJUSTI				
1	COMMON DC	Alignment tape MC-1	PB ADJUST MENU 249 COMMON DC	© LCD MONIITOR ① [▲] and [▼] buttons	<ul><li>(1) Adjiust so that flicker is minimized on the LCD monitor.</li><li>(2) Press [SET] button to store the adjustment data.</li></ul>
2	VCO FINE (PB_NTSC)	Alignment tape MC-1	PB ADJUST MENU 251 VCO FINE (PB_NTSC)	© LCD MONIITOR ① [♠] and [♥] buttons	(1) Adjiust so that picture is the steadiest on the LCD monitor. (2) Press [SET] button to store the adjustment data.
3	VCO FINE (PB_PAL)	Alignment tape MC-2	PB ADJUST MENU 252 VCO FINE (PB_PAL)	© LCD MONIITOR ① [▲] and [▼] buttons	<ul><li>(1) Adjiust so that picture is the steadiest on the LCD monitor.</li><li>(2) Press [SET] button to store the adjustment data.</li></ul>
4	H-POSITON (PB_NTSC)	Alignment tape MC-1 (animated image recorded section)	PB ADJUST MENU 256 H-POSITION (PB_NTSC)	© LCD MONIITOR ① [▲] and [▼] buttons	<ul><li>(1) Adjiust so that picture is the steadiest on the LCD monitor.</li><li>(2) Press [SET] button to store the adjustment data.</li></ul>
5	H-POSITON (PB_PAL)	Alignment tape MC-2 (animated image recorded section)	PB ADJUST MENU 257 H-POSITION (PB_NTSC)	© LCD MONIITOR ① [▲] and [▼] buttons	Adjiust so that picture is center on the LCD monitor.     Press [SET] button to store the adjustment data.

#### 3.6 REWRITE BOARD

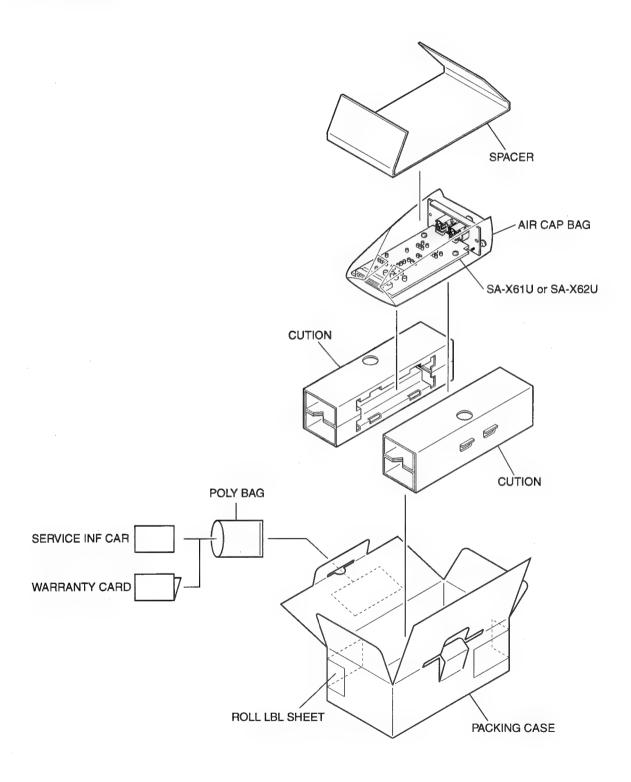


		S1	\$2	S3
Pin No.	Initial	Parameter	Reset for EEP-ROM	Power ON switch
1	OFF	ON : Enable to rewrite CAM CPU (for GY-DV300) (*Note)	(LENS) data.	(for GY-DV300)
2	OFF	ON : Enable to rewrite SYS CPU	(for GY-DV300)	
3	OFF	ON : Enable to rewrite LENS CPU		
4	OFF	ON : Enable to rewrite VTR (MSD) CPU (*Note)		
5	OFF	Not used		
6	OFF	Not used (for GY-DV300)		

^{*}Note: When rewriting the VTR (MSD) firmware, both of switch S1 - 1 and 4 should be set to "ON".

# SECTION 4 PACKING

## 4.1 PACKING M 3



				•
	-BLANK F	PAGE-		

## SECTION 4 CHARTS AND DIAGRAMS

## ■ SCHEMATIC DIAGRAM NOTES

#### · Schematic safety precaution

▲ Parts are safety related parts.

When replacing them, be sure to use the specified parts.

#### · Voltage and waveform measurements

Voltage:

Measured with digital voltmeter in DC range;

in REC mode.

Value in ( ) is indicated only in the case PB voltage is different from that in REC mode.

Waveform: Measured by supplying the 100%color bar sig-

nal and 1kHz, -8dB sine wave in REC or PB mode.

Switch setting: VIDEO INPUT SELECT: LINE MENU: Initial setting.

#### Unit of value

Unless otherwise specified

- 1) Resistance is in Ω (1/6 W)
- 2) Capacitance is in µF
- 3) Inductance is in uH

#### · Expression of wiring

As the following circuit diagram is divided to print on some sheets, such an indication as the following is found in the case the wiring extends over two or more divided sections.

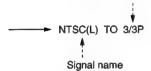
1) Circuit diagram divided into two or more sections:

Board	Board Name	Number of divided sections
01	VIDEO	1/6 to 6/6
02	SYS/AUDIO	1/4 to 4/4
11	DV/CPU	1/4 to 4/4
12	MDA/DC	1/4 to 4/4
_	OVERALL	1/2 to 2/2

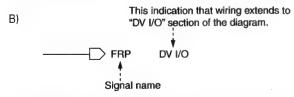
 Indication of wiring which extends to another section: (Example)

A)

This indication that wiring extends to 3/3 of the diagram.

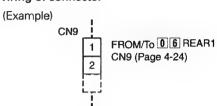


In the above case, the end of the wiring is connected to the "NTSC(L)" on the 3nd section of the diagram.



In the above case, the end of the wiring is connected to the "FRP" on the "DV I/O" section of the diagram.

#### · Wiring of connector



In the above example, CN9 is connected with CN9 on **16** REAR1 board.

#### · Signal flow on the diagram

The following allow marks indicate the specified signal paths respectively.

⇒ : Recording or EE signal path

⇒ : Playback signal ptah

: Recording and Playback signal path

#### Others

In regard of a board assembly whose circuit is composed of multilayered board patterns such 4- or 6-layered patterns, board patterns of the power supply lines and grounding lines are omitted in this section.

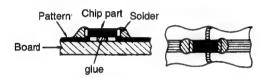
**Note:** For detail of each electrical part, refer to Section 6 "ELECTRICAL PARTS LIST" by it symbol number.

#### ■ REPLACING SURFACE MOUNT "CHIP" COMPONENTS

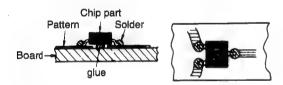
- Some resistors, shorting jumpers (0 resistance), ceramic capacitors, transistors, and diodes are chip parts. These chip parts cannot be reused after they are once removed.
- Chip resistors used in some circuits are of high precision type having little error in resistance.
   To demonstrate the full capacity of this set, place an order for proper parts referring to the diagrams and parts lists in
- the section 5.Soldering cautions:
  - 1) Do not apply heat for more than 3 seconds.
  - 2) Avoid using a rubbing stroke when soldering.
  - 3) Discard removed chips; do not reuse them.
  - 4) Supplementary cementing is not required.
  - 5) Use care not to scratch or otherwise damage the chips.

#### (1) Soldered condition of chip parts

· Resistors, capacitors, etc.



Transistors, diodes, etc.

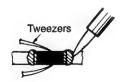


## (2) Removing of chip parts

- Resistors, capacitors, etc.
  - i) Melt solder at a side.



ii) Holding the chip with tweezers, melt solder at the other side.



iii) Take off the chip in twisting and sliding motion.



- Transistors, diodes, etc.
  - i) Melt solder at the side of single lead.



ii) Lift the unsolderd side upwards.



iii) Simultaneously melt solder at two leads of the other side and pull up the chip.



#### (3) Preheating and soldering of chip parts

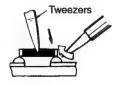
Except transistors, make sure to preheat all chip parts, capacitors in particular, with a hot wind of 150°C approx (of a hair dryer, etc.) for 2 minutes just before soldering, and immediately solder by a soldering iron of approx. 30 W.

## (4) Attaching of chip parts

i) Heap up a proper amount of solder beforehand.

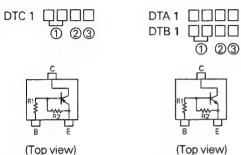


 Holding down a new chip by tweezers, solder it to the board by a soldering iron to melt solder from its lower part to the upper part (in the direction shown by a big arrow).



## **■ CHIP PARTS PIN ARRANGEMENT**

#### [1] Digital transistors



① Two digits show resistance of R1 in abbreviation.

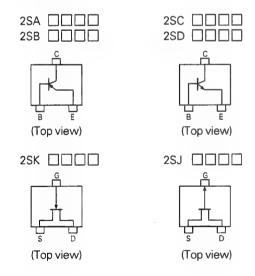
43 : 4.7 kΩ 14 : 10 kΩ 24 : 22 kΩ 44 : 47 kΩ

② Roman letter show the resistive ratio between R1 and R2 in abbreviation.

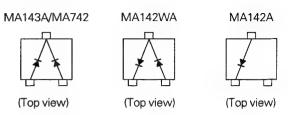
E: R2/R1 = 1/1 Y: R2/R1 = 5/1 W: R2/R1 = 2/1 X: R2/R1 = 1/2 T: R2 is opened.

3 Symbol the shape of resistor in abbreviation.

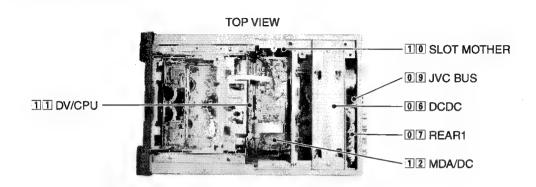
## [2] Chip transistors and chip F.E.T.s

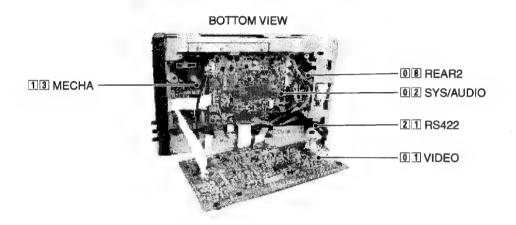


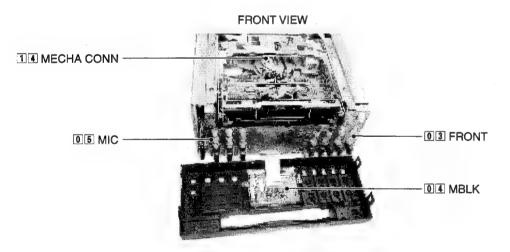
## [3] Chip diodes



#### 4.1 INDEX TO PAGES OF MAIN BOARDS AND CIRCUIT BOARD LOCATION

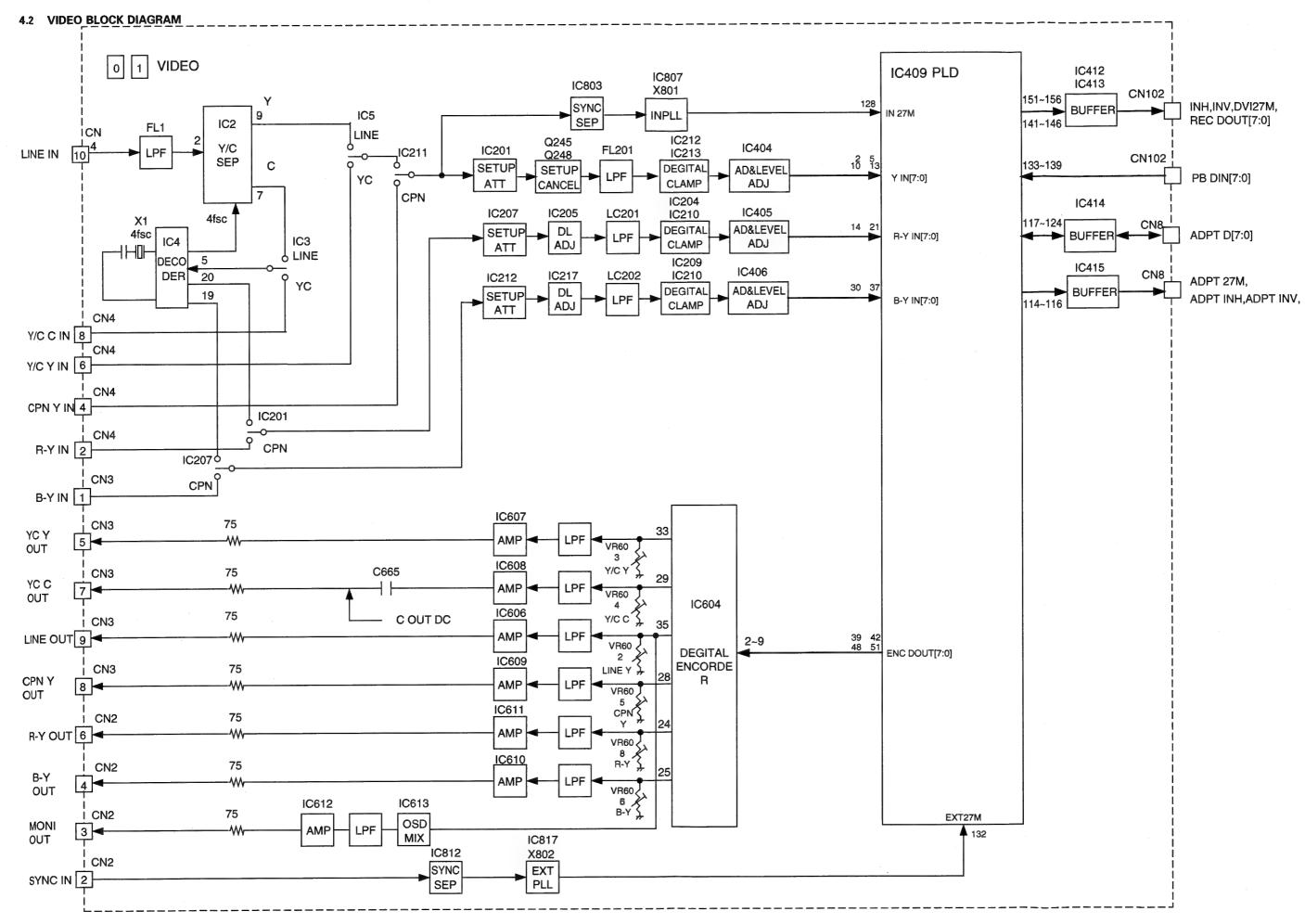






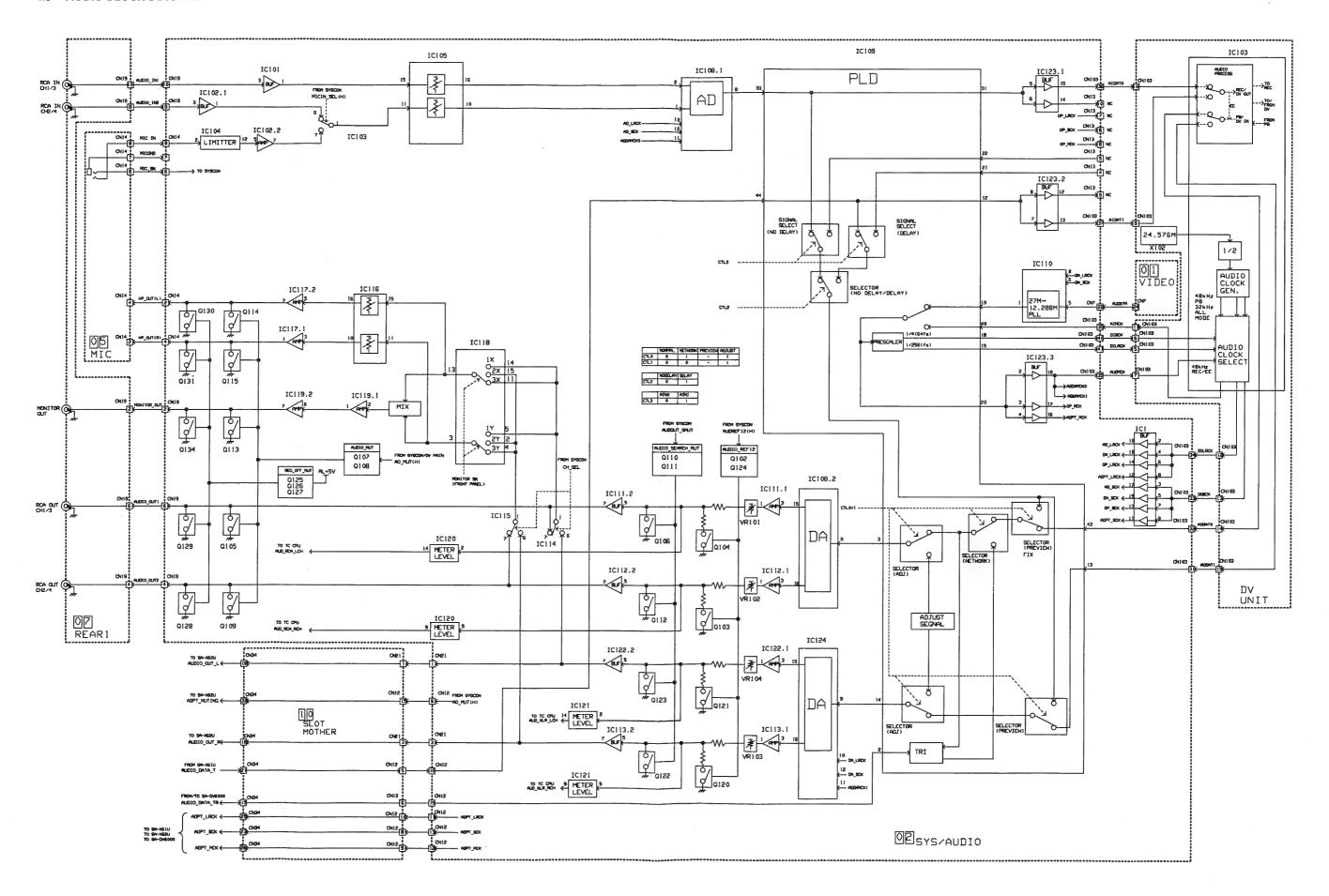
Board	Deerd Massa	Page of diagram						
No.	Board Name	Block diagram	Schematic diagram	Circuit board				
0 1	VIDEO	4-5	4-12 to 4-17	4-18, 4-19				
0 2	SYS/AUDIO	4-6, 4-7	4-20 to 4-23	4-24, 4-25				
0 3	FRONT	_	4-26	4-27				
0 4	MBLK	_	4-44	4-43				
0 5	MIC	_	4-45	4-46				
0 6	DCDC	4-8	4-28	4-29				
0.7	REAR1	_	4-42	4-43				

Board	Board Name	Page of diagram						
No.	Doditi Name	Block diagram	Schematic diagram	Circuit board				
0 8	REAR2	_	4-44	4-46				
0 9	JVCBUS	_	4-45	4-46				
10	SLOT MOTHER	_	4-45	4-46				
	DV/CPU		4-30 to 4-33	4-34				
12	MDA/DC		4-36 to 4-39	4-35				
13	MECHA		4-40	4-41				
14	MECHA CONN	_	4-40	4-41				
21	RS422	_	4-45	4-46				

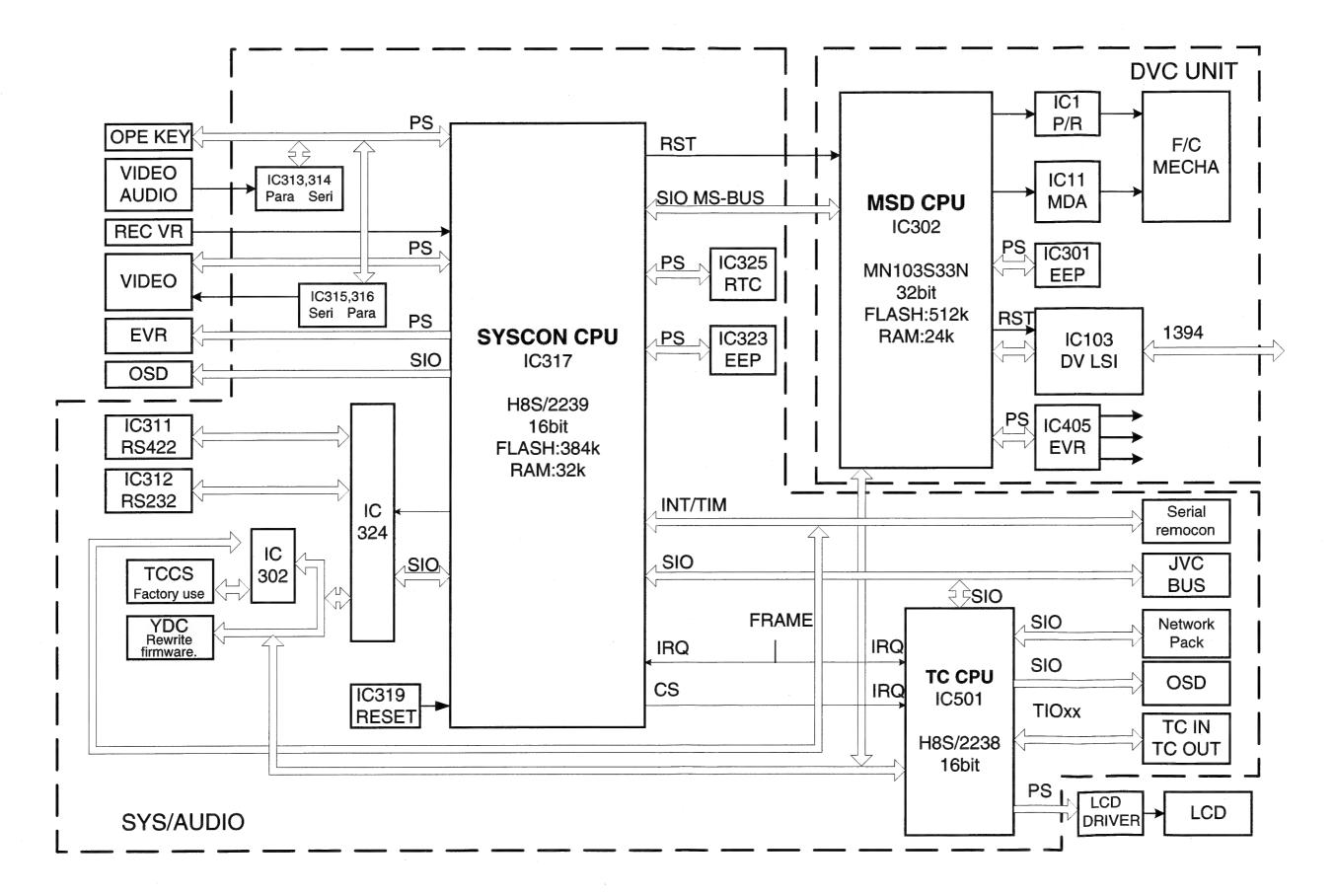


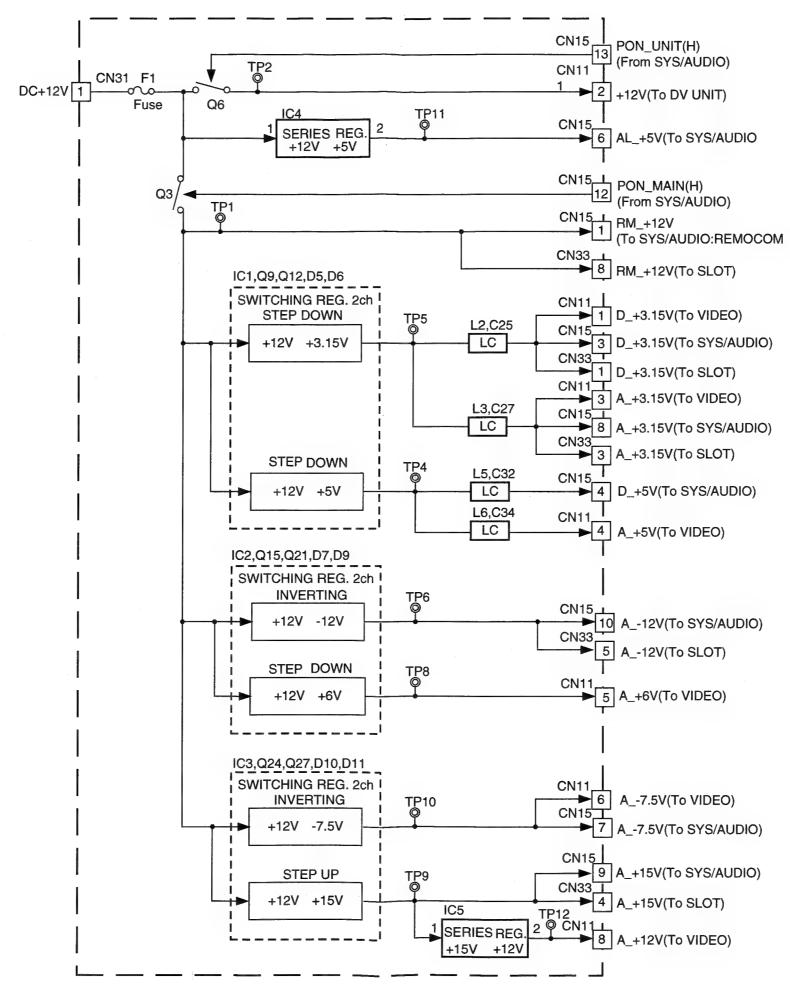
4-5

### 4.3 AUDIO BLOCK DIAGRAM

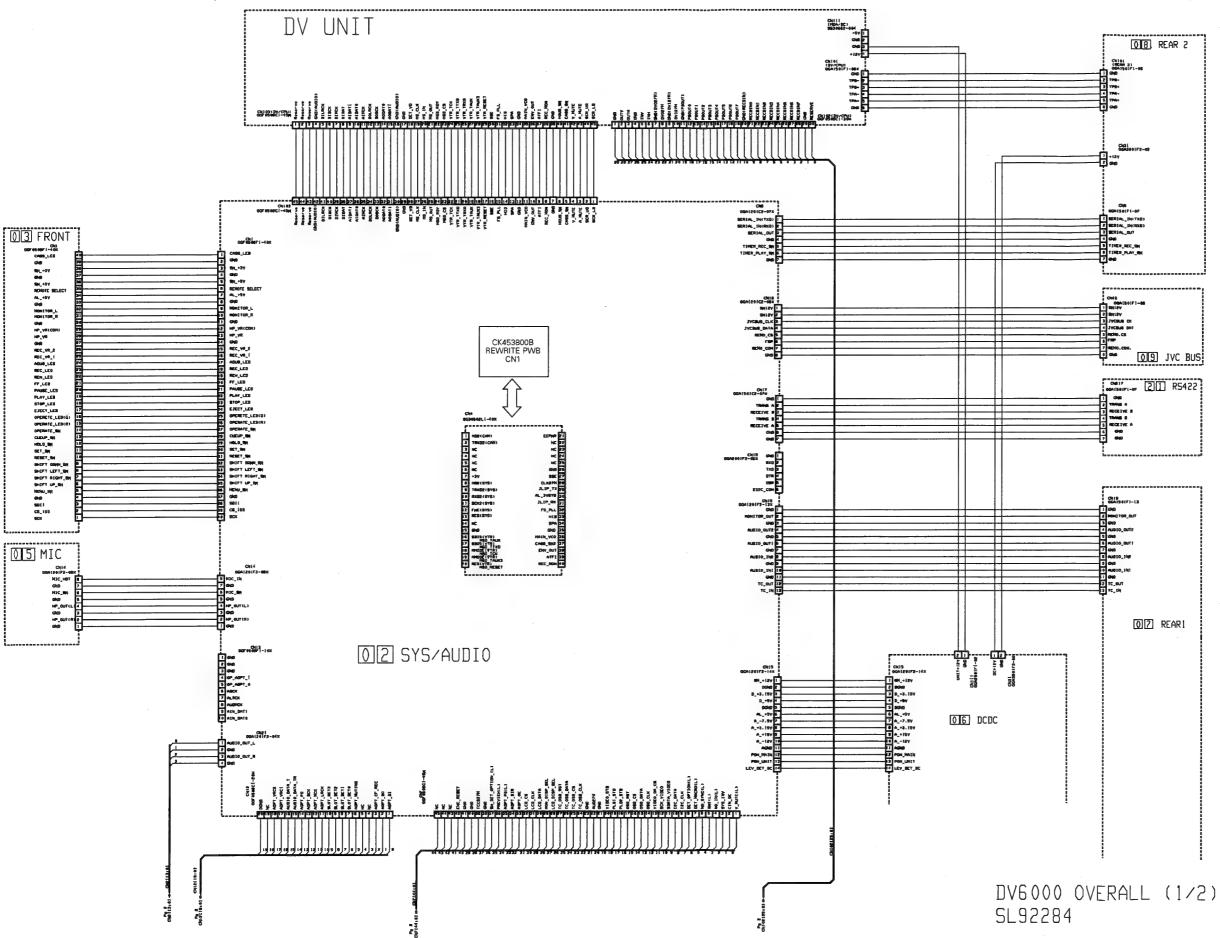


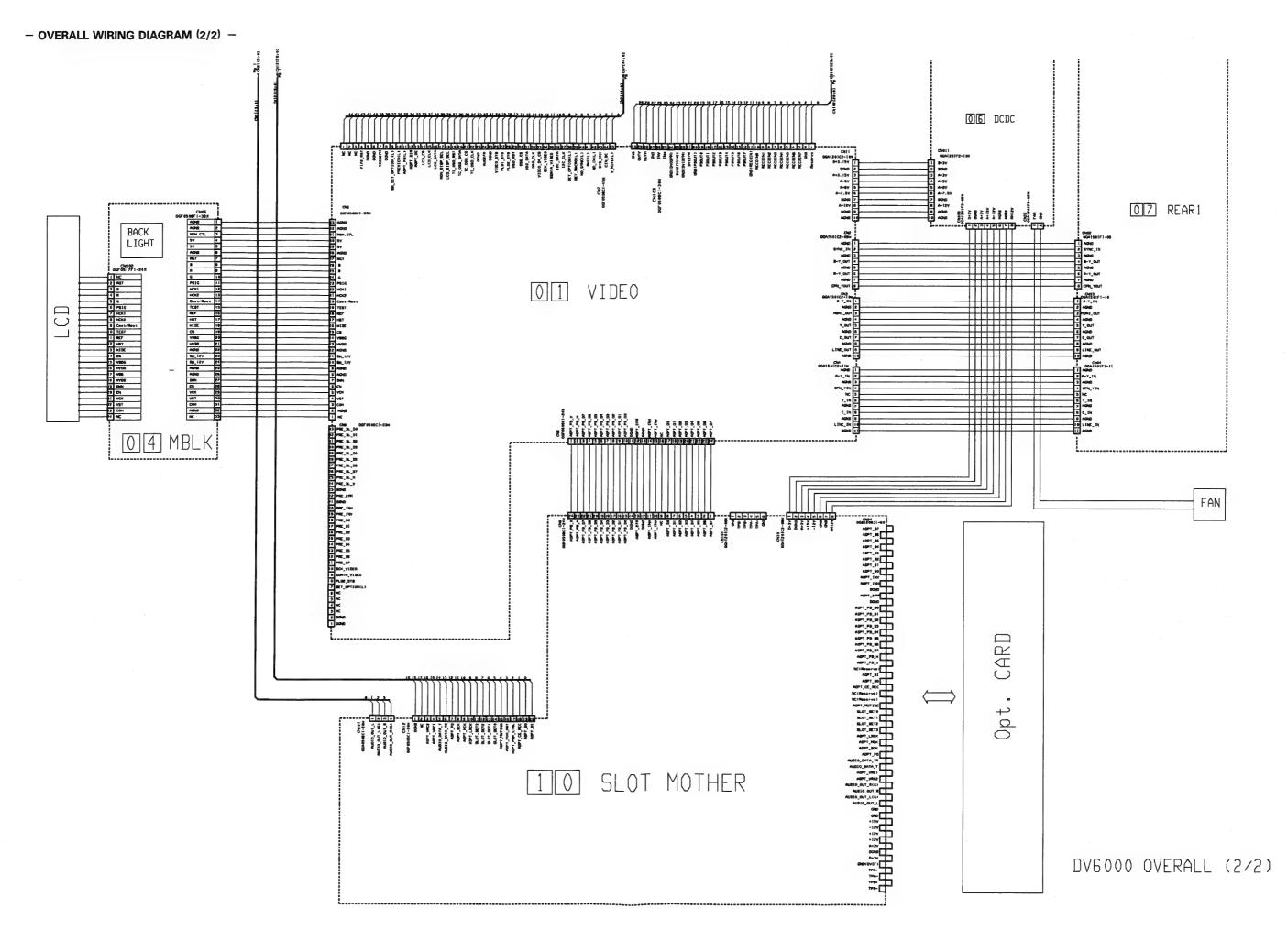
### 4.4 SYSTEM CONTROL BLOCK DIAGRAM



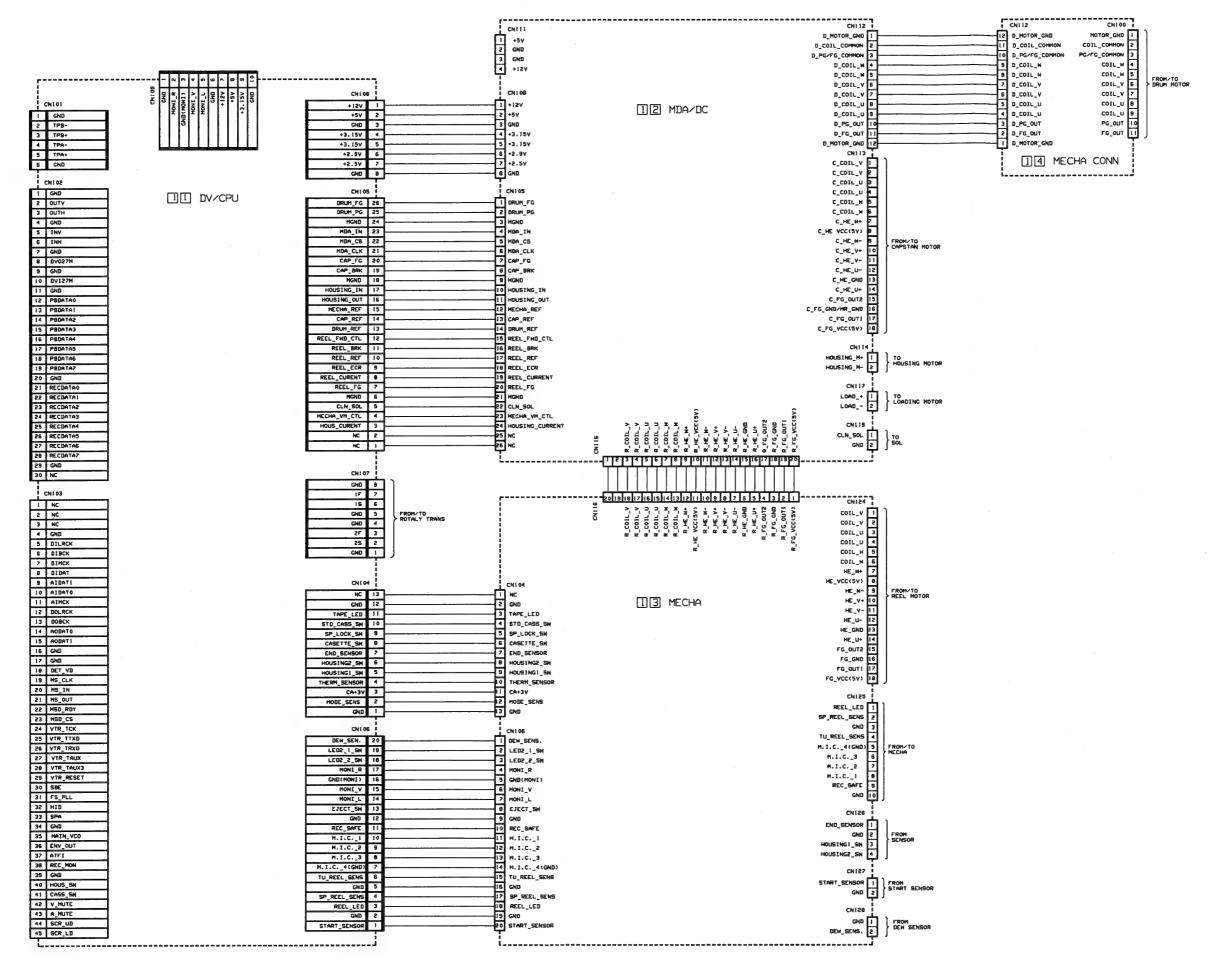


## 4.6 OVERALL WIRING DIAGRAM (1/2)

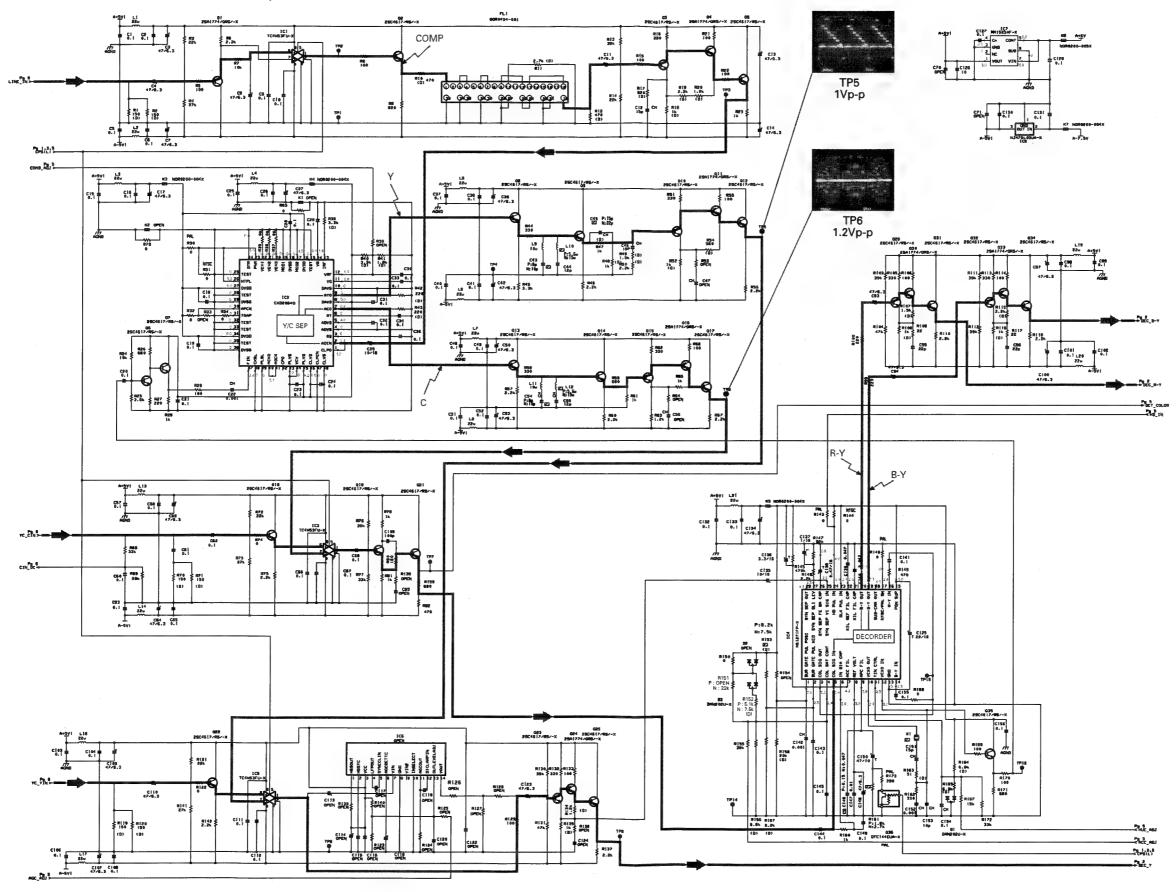




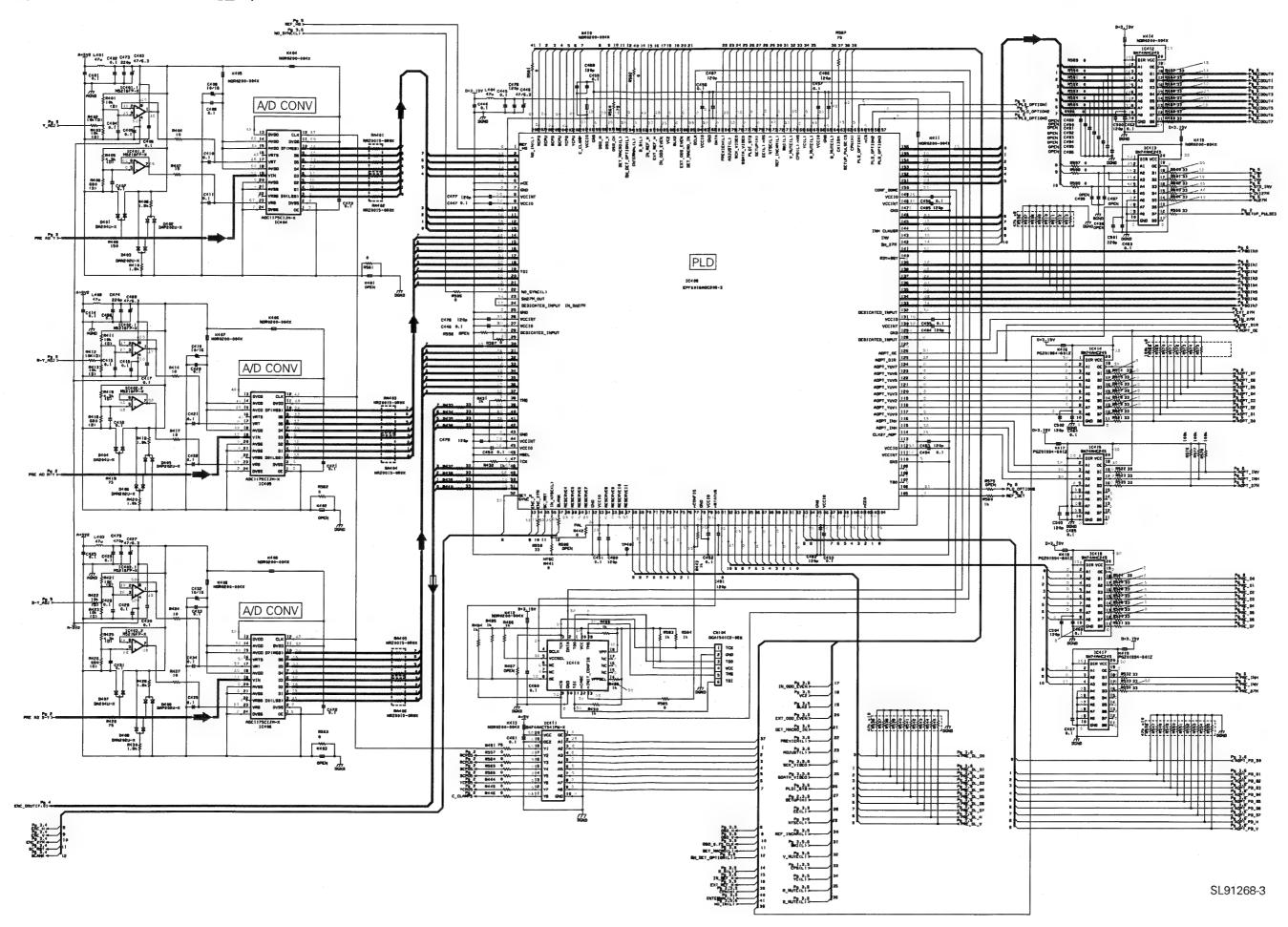
#### 4.7 DV UNIT OVERALL WIRING DIAGRAM

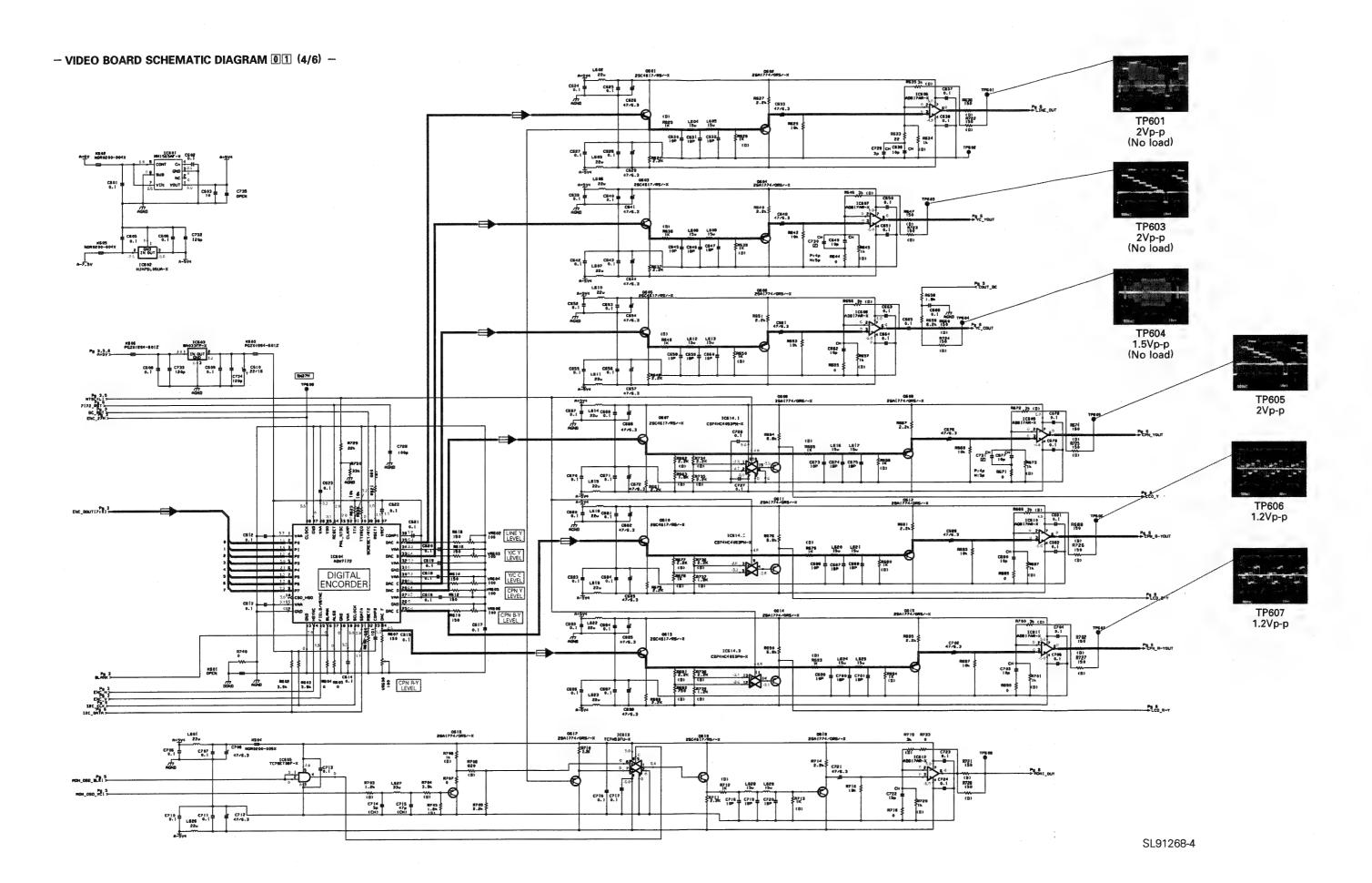


### 4.8 VIDEO BOARD SCHEMATIC DIAGRAM [0] (1/6)



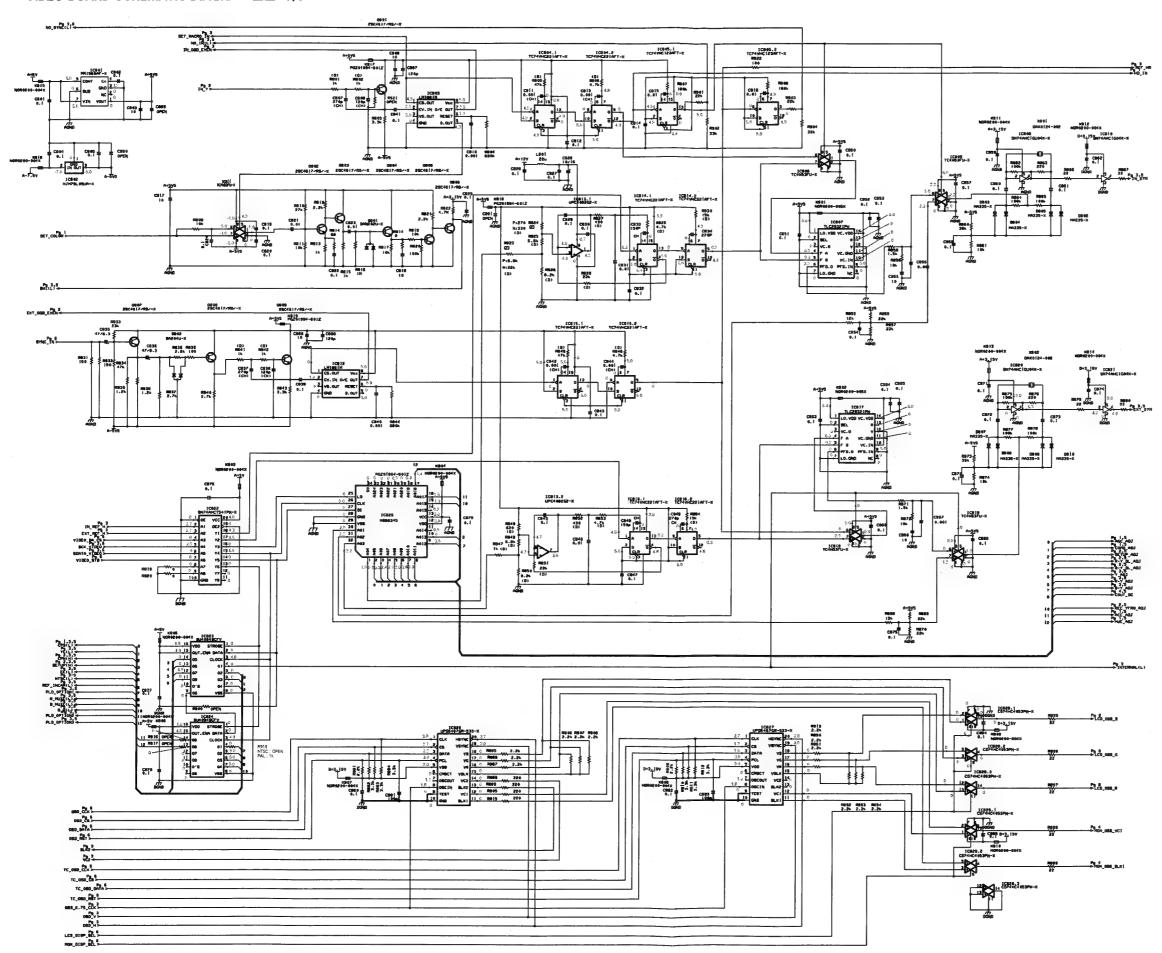
SL91268-1





4-15

## - VIDEO BOARD SCHEMATIC DIAGRAM 101 (5/6) -



SL91268-5

## - VIDEO BOARD SCHEMATIC DIAGRAM 101 (6/6) -

FROM

I DCDC

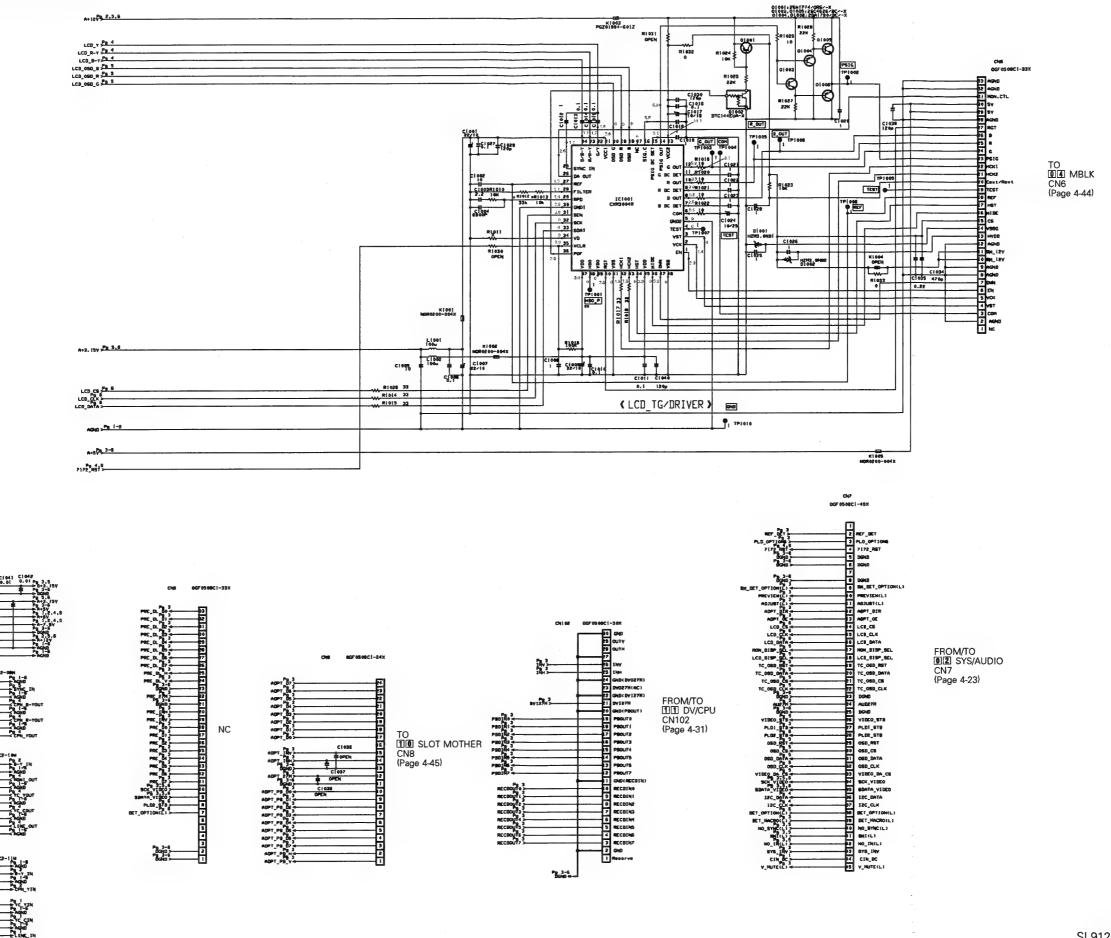
CN11
(Page 4-28)

FROM/TO 10 7 REAR1

CN2 (Page 4-42)

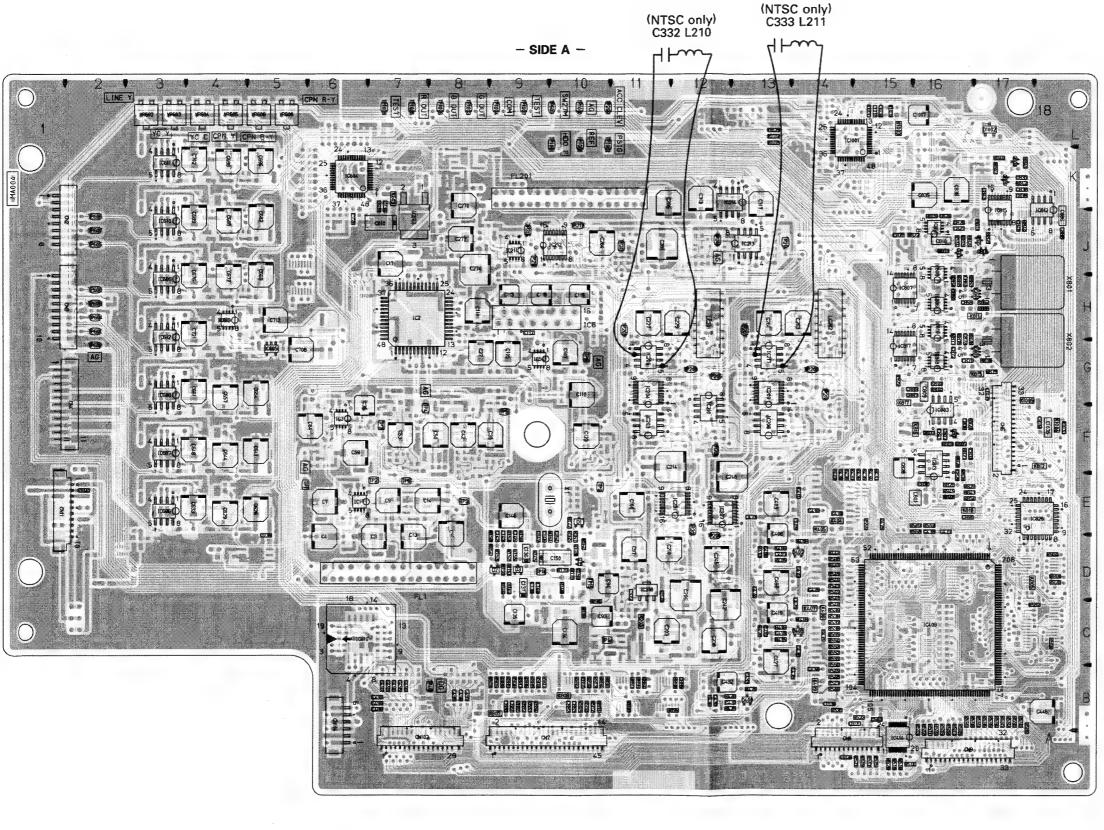
FROM/TO II REAR1 CN3 (Page 4-42)

FROM 1017 REAR1 CN4 (Page 4-42)



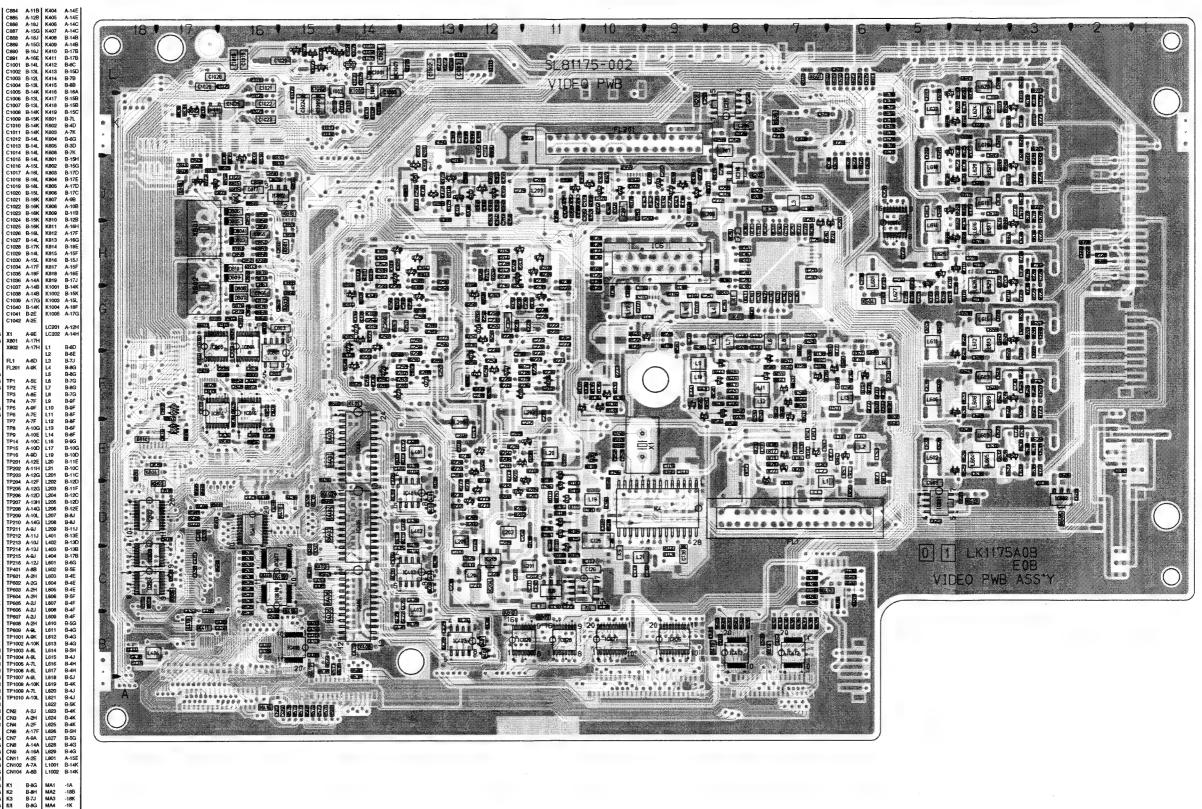
SL91268-6

#### 4.9 VIDEO CIRCUIT BOARD

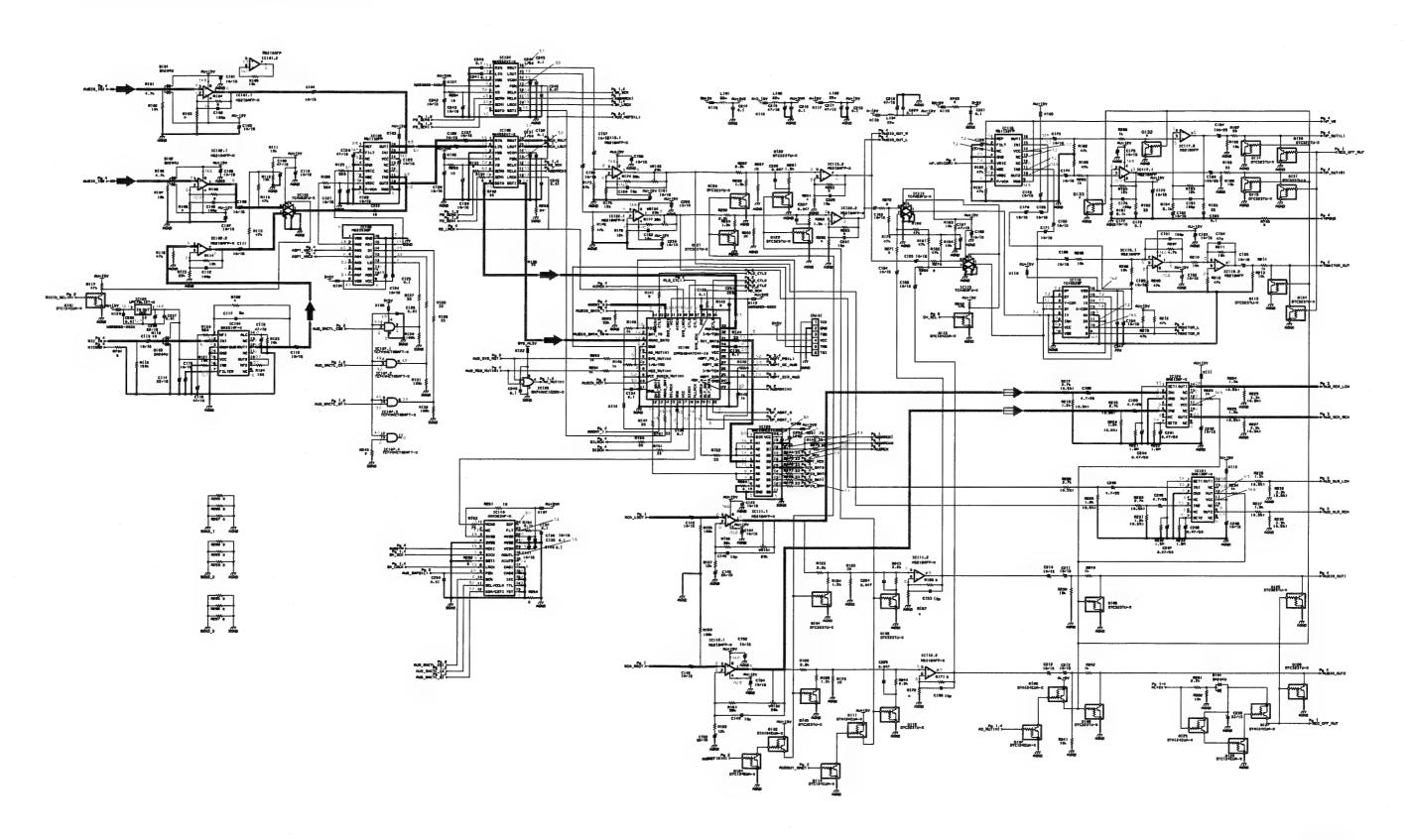


● ADDRESS TABLE OF BOARD PARTS

Each address may have an address error by one interval.

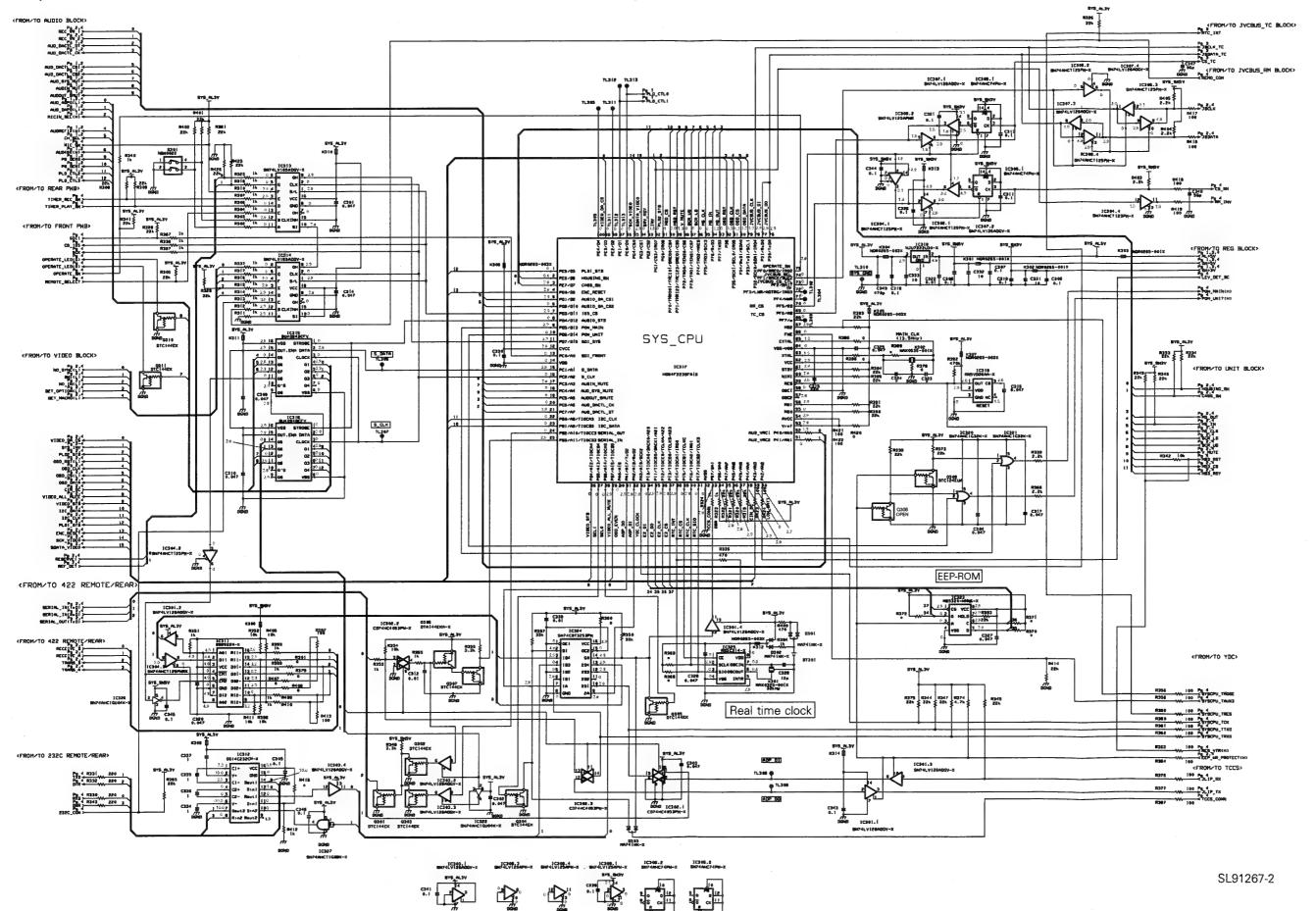


| Perfect | Perf

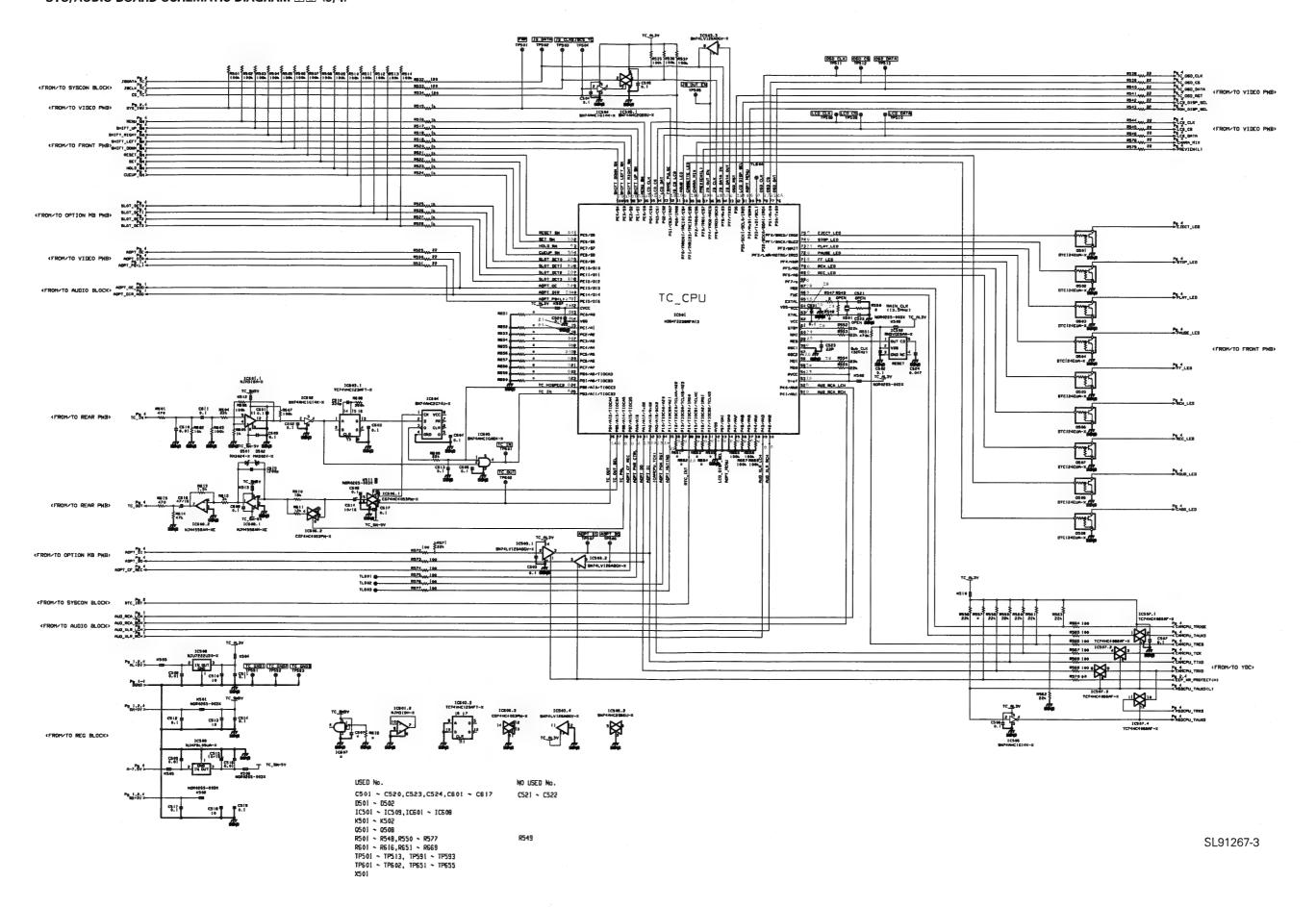


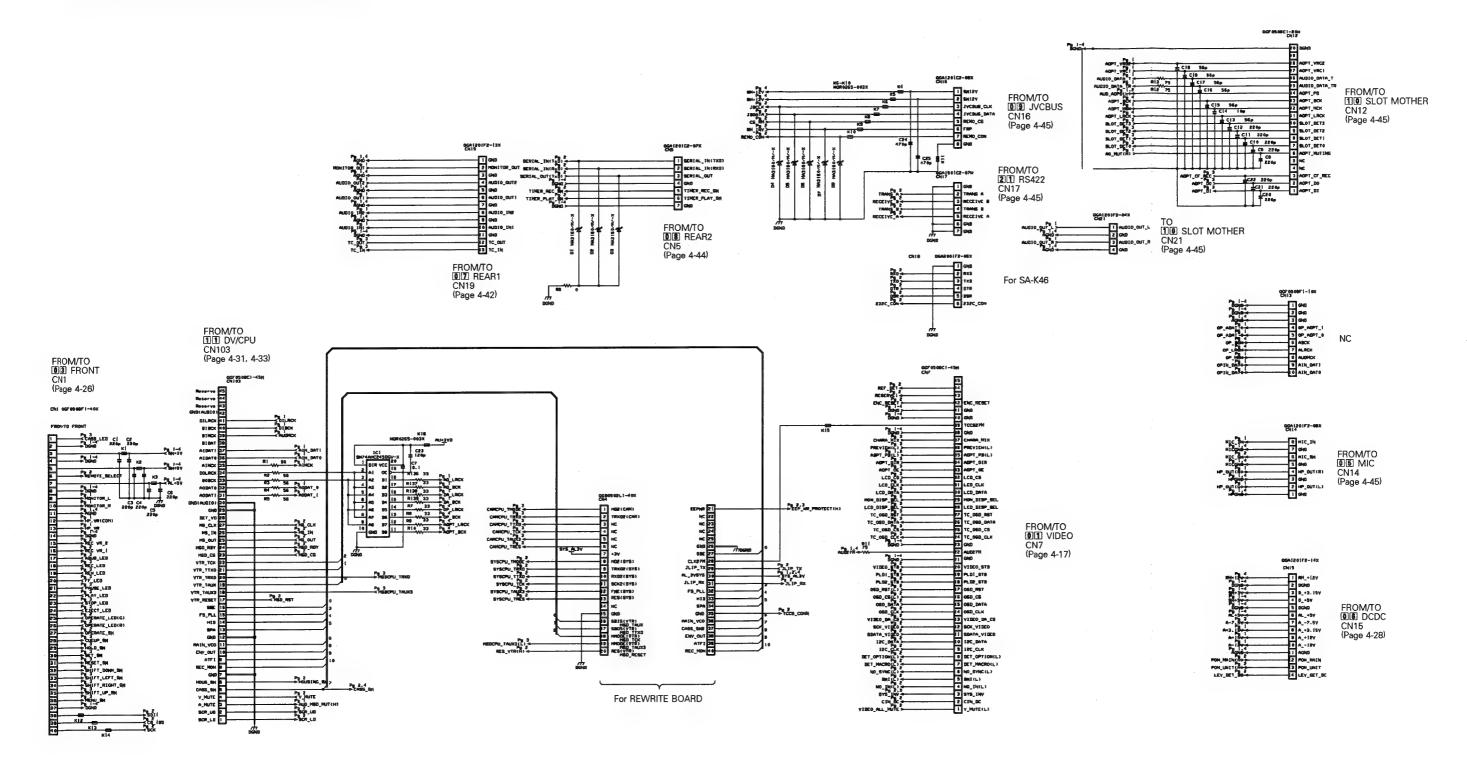
SL91267-1

## - SYS/AUDIO BOARD SCHEMATIC DIAGRAM 10 2 (2/4) -



### - SYS/AUDIO BOARD SCHEMATIC DIAGRAM 02 (3/4) -





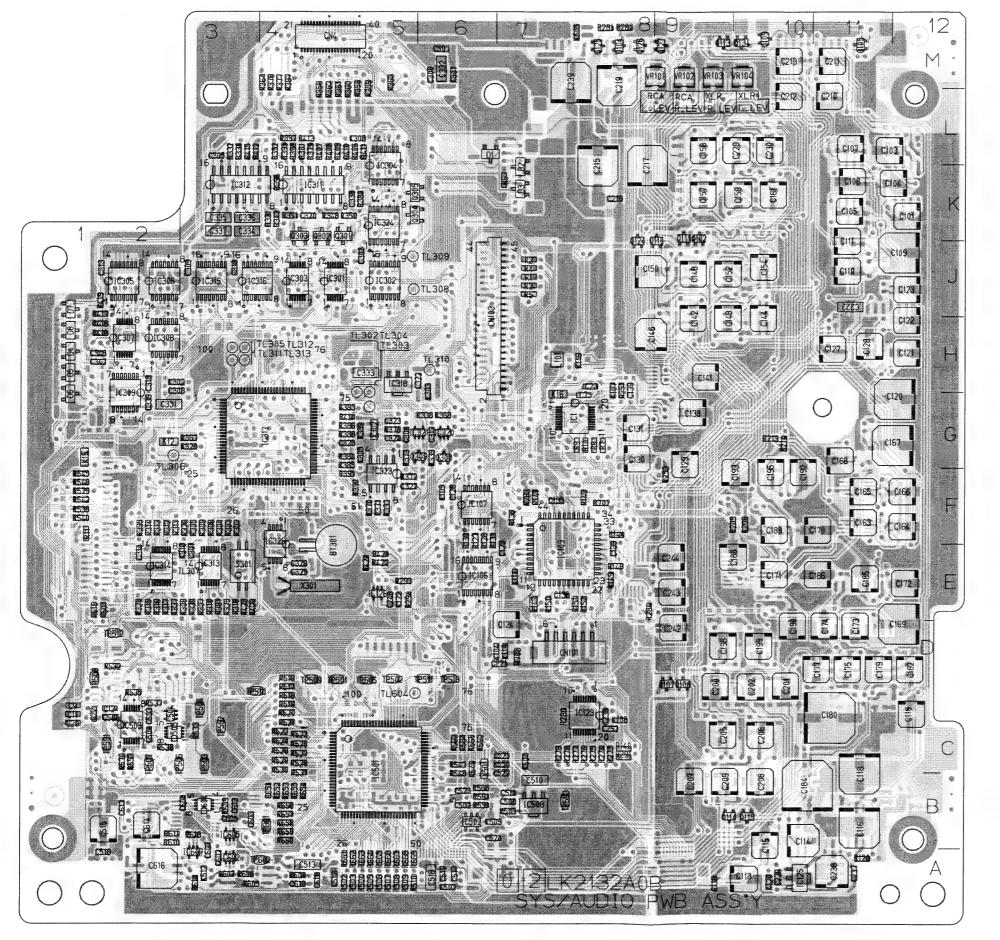
SL91267-4



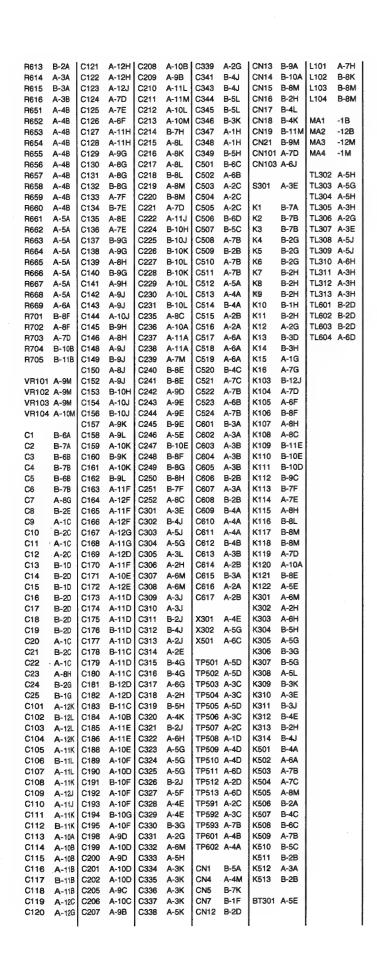
#### ADDRESS TABLE OF BOARD PARTS

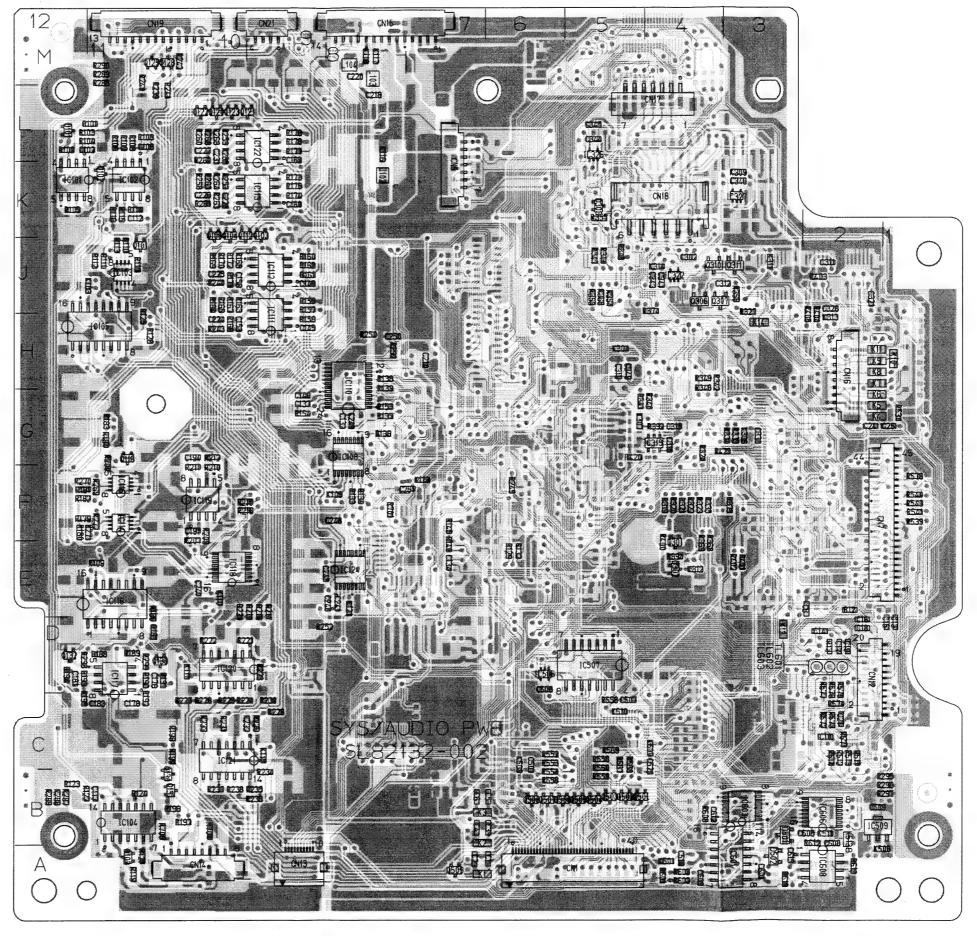
Each address may have an address error by one interval.

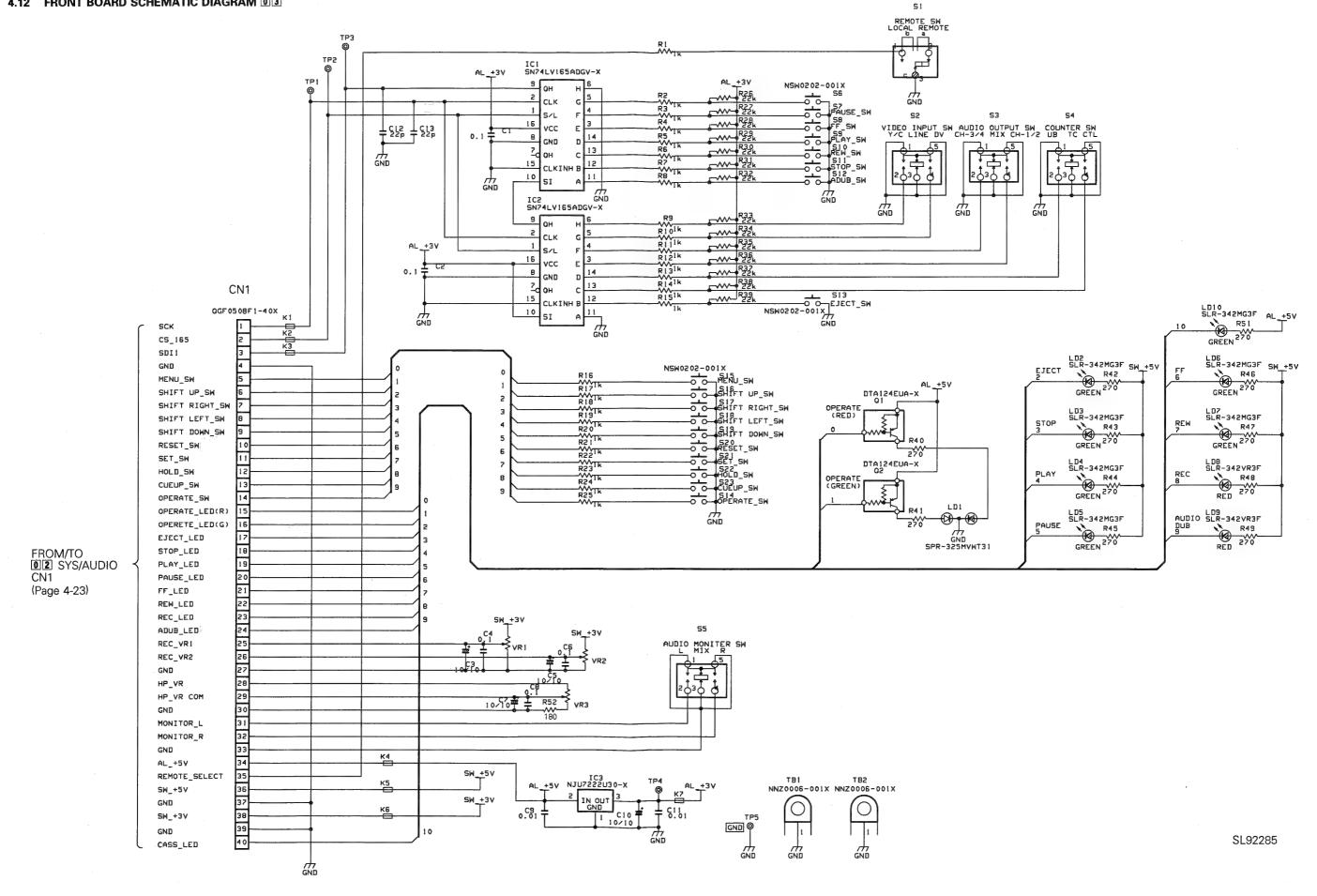
IC1 A-8G Q109 A-10M R105 B-12K R188 B-11D R279 A-7C IC101 B-12K Q110 A-9K R106 B-11L R189 B-11D R280 A-7C IC102 B-11K Q111 A-9K R107 B-11L R190 B-11D R281 A-8M R361 A-5M R108 B-11L R191 B-11D R282 A-8M R109 B-11L R192 B-11C R283 A-7F Q112 B-10K R362 A-4M R516 A-4D IC104 B-11B Q113 A-9M R363 A-5M R517 A-4D R193 B-12D R284 A-8E IC105 B-11H Q114 A-10B R110 B-11J R364 A-4M R518 A-4D Q115 A-10B R111 B-11J R194 B-12D R285 B-12B R365 B-5J IC106 A-6E R519 A-4C Q116 B-11G R112 B-11J R195 B-12C R286 B-12B R366 A-6G R520 A-4C Q120 B-10L R113 B-11J R196 B-10B R287 B-12B R367 A-3G R521 A-4C R114 B-11K R197 B-10B R288 B-11M R368 R522 A-4C Q122 B-10L R115 B-11K R198 B-10C R289 B-11M R369 Q123 B-10L R116 B-11K R199 B-10C R290 B-11M R370 A-5F R117 B-11J R200 B-11G R291 A-8C R118 A-9A R205 A-10F R292 B-8H R119 B-11A R206 A-10F R293 A-5E R120 A-11A R207 B-10F R294 A-5E IC112 B-9J Q124 A-8K IC113 B-9K Q125 A-8M IC114 B-11F Q126 A-8M R291 A-8C R371 A-5F R525 A-4C R372 A-5F R526 A-4C R293 A-5E R294 A-5E R295 B-1B R373 A-5G R527 A-4C IC115 B-11F Q127 A-9M R374 B-4J R528 A-4C IC116 B-11E Q128 B-11M R121 B-11A R209 B-10F R375 B-3F R529 A-4C IC117 B-11D Q129 B-11M R122 B-12B R210 B-10F R296 B-1B R376 A-4M R530 A-4C IC118 B-10E Q130 B-11B R123 B-12B R211 B-10F R297 B-1B IC119 B-10F Q131 B-10B R124 B-11B R212 B-10G R298 B-12D IC120 B-10D Q132 B-12D R125 B-11H R213 A-10G R299 B-11D IC121 B-10C Q133 B-11D R126 B-11H R214 A-10G R301 A-4L A-5K R534 B-1G IC122 B-9L Q134 A-10M R127 A-6F IC123 A-8C Q301 A-5K R128 A-6F IC124 B-8E Q302 A-4K R129 B-6E R215 B-10F R302 A-3F R381 A-3E R535 A-2D R216 B-10F R303 A-3F R217 B-9E R304 A-3F R383 A-5G R536 A-2C B384 A-5G B537 A-2C IC125 A-10A Q303 A-4K R130 A-6F R305 A-3F R218 B-9E R385 A-5G 8538 A-1F IC126 A-5E Q304 A-5K R131 A-6F R219 B-9E R306 A-3F R386 A-5G R539 B-1F Q305 A-5K R132 B-6E R220 B-10E R307 A-3E R387 IC302 A-5J Q306 B-4J R133 B-8F R221 B-10D R308 A-3E IC303 A-4J Q307 B-4J R134 B-8F R222 B-10D R309 A-3F R135 A-7F IC304 A-5L Q308 A-6G R223 B-9D R310 A-3E R390 A-5F R543 B-1F R136 B-8G R137 B-8G R138 B-8H Q309 A-6G Q310 B-4J IC305 A-2J R224 B-10C R311 A-2F R391 A-5F R544 B-1F IC306 A-2J R225 B-10C R312 A-2F R392 B-4G R545 A-1F IC307 A-2H Q311 B-3J R226 B-10C R313 A-2F B393 A-5F R546 A-1F R139 B-8H IC308 A-2H Q501 B-5B R227 B-10C R314 A-2F R394 B-4E R547 A-6C Q502 B-5B R140 A-8C R228 B-9C R315 A-2E R395 A-2F R548 A-6B IC311 A-4K R141 A-7F R229 B-9C R316 A-2E R396 A-4K R549 A-6C IC312 A-3K Q504 B-5B R143 A-8F R230 B-9C R317 A-2E R397 A-4L IC313 A-3E Q505 B-5B R144 A-8F R231 B-10C R318 A-3E R398 R144 A-8F R145 B-7F R146 B-7E R147 A-7E R148 A-8E IC314 A-2E IC315 A-3J Q506 B-6B R232 B-10C R319 B-4F R399 A-4L R552 B-6C Q507 B-6B R233 B-10C R320 B-4F R400 B-4E R553 B-6C IC316 A-3J Q508 B-6B R234 B-9B R235 B-9B R321 B-4F R322 B-4F R323 B-4F R401 B-3E R554 B-6B Q509 B-7A IC317 A-4G R402 B-3E R555 B-6B R149 A-8E IC318 A-5H R236 B-9B R403 B-2J R556 B-5C IC319 B-4G R150 A-7E R237 B-10B R324 B-4G R404 B-2H R557 A-2C IC320 A-6G A-7L A-8E R325 A-3E R238 B-10B R405 B-2H R558 B-5C IC321 A-6G R152 A-8E R239 B-11L R326 A-3F A-5L IC322 B-4J A-1H R153 B-8G R240 B-11M R327 B-3J D5 D6 D7 D8 IC323 A-5F A-1H R154 B-9G R241 B-11L R328 A-3G R408 A-4L R561 A-6B R155 B-9J R156 B-9H R157 B-9J IC324 A-5K A-1G R242 B-10M R329 A-2E R409 R562 A-6C IC325 A-4F A-1J A-1H B-12L R330 A-3L R331 A-4K R332 A-3L R243 B-10H R410 A-5L R563 A-6C IC326 B-5L R244 B-10J R411 A-5L R564 A-6C R160 B-9J R412 A-3L IC327 B-3K B245 B-6F R565 A-6C IC501 A-5C R161 B-9J R250 B-8H R333 B-3G R413 A-4L D102 B-11K R566 A-6B R162 B-9J R251 A-8H R334 B-3G R414 A-5G R567 B-5C R163 B-10J R252 B-9D R335 B-4F R415 A-3L R568 B-5C IC504 A-2C R164 B-10J R253 A-9F R336 A-3E R416 A-2H IC505 A-2C D302 B-4E R165 B-10J R257 B-10K R337 A-2E R417 A-2J IC506 B-6D D303 B-5K R166 B-10H R258 B-10K R338 A-6G R418 A-2H IC507 B-5D R167 B-10J R259 B-10L D501 B-3B R339 A-6G R419 A-2J R572 B-2C IC508 A-7B D502 B-3A R168 B-10J R260 B-10L R340 B-4G R420 B-5G R573 B-2C R169 B-10J R261 B-10K R341 B-5G R170 B-10J R262 B-10L R342 B-4H IC509 B-2B R421 A-5E R574 B-2C R1 R2 R3 R4 IC601 B-3A R422 A-5E R575 B-2D IC602 A-3A R171 B-10J R263 B-10K R343 A-4K R423 B-4G A-7J R576 B-2D IC603 B-3B A-7J R172 B-10J R264 B-10K R344 B-5J R424 A-5E R577 B-2D IC604 A-3B R173 B-9K R345 B-5J R265 B-10L R425 A-3E R578 B-1F R5 R6 R7 R8 IC605 A-3B R174 B-9K R266 B-10L R346 B-4H R426 A-3E R579 A-1F IC606 B-2B R175 B-9K R267 B-10K R347 B-5J IC607 A-3A A-8G R176 B-9L R268 B-10L R348 A-4K R502 IC608 B-2A A-8G R177 B-9L R269 B-11F R349 B-4H R503 A-5A R603 B-4A R178 B-9L R270 B-12F R350 A-5K R179 B-12F R271 B-12F R351 A-4K A-8G R504 A-5A R604 A-4A Q101 B-11J R10 R505 A-5A R506 A-5A R507 A-5A A-8G R605 A-3A Q102 A-9K Q103 B-9K A-1F R180 B-12F R272 B-11F R352 A-4L R606 A-3A B-2E R181 B-12F R273 A-8C R353 B-5J B607 A-3A R182 B-12F R274 A-8C R354 B-5J R508 A-5A R608 B-4B Q105 A-11M R101 R183 B-11G R275 A-8C R355 B-3J R509 A-5A R609 A-3B Q106 B-10K R102 B-12L R184 B-11G R276 A-8C R356 A-4M R510 A-6A R103 B-12L R186 B-11E R277 A-8C R357 B-5K R104 B-12L R187 B-11D R278 A-7C R358 A-5M Q107 A-9D R511 B-2C Q108 A-9D R512 B-2C R612 B-2B



4-24

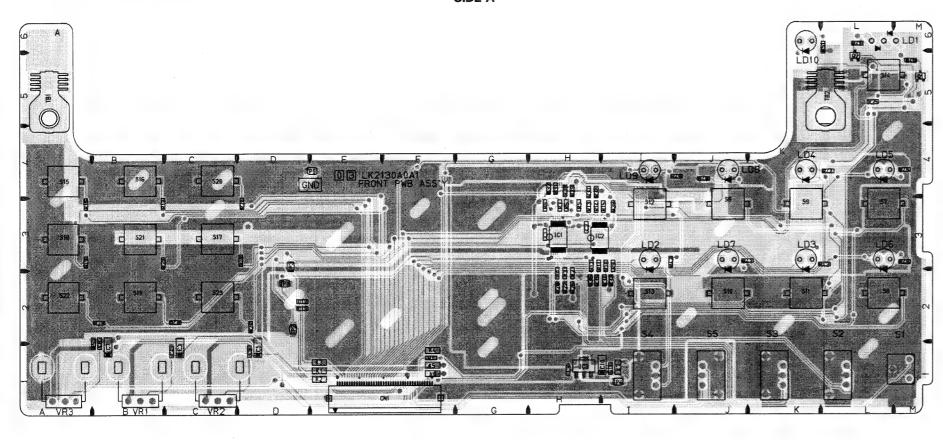






## 4.13 FRONT CIRCUIT BOARD

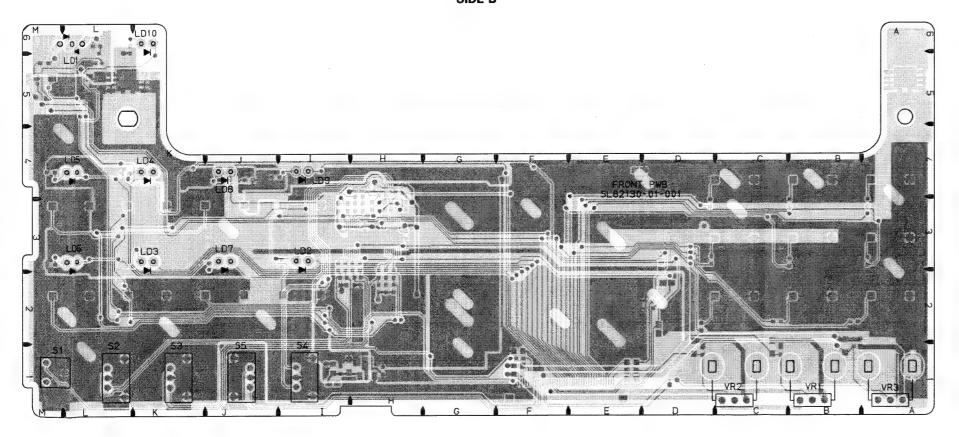
- SIDE A -



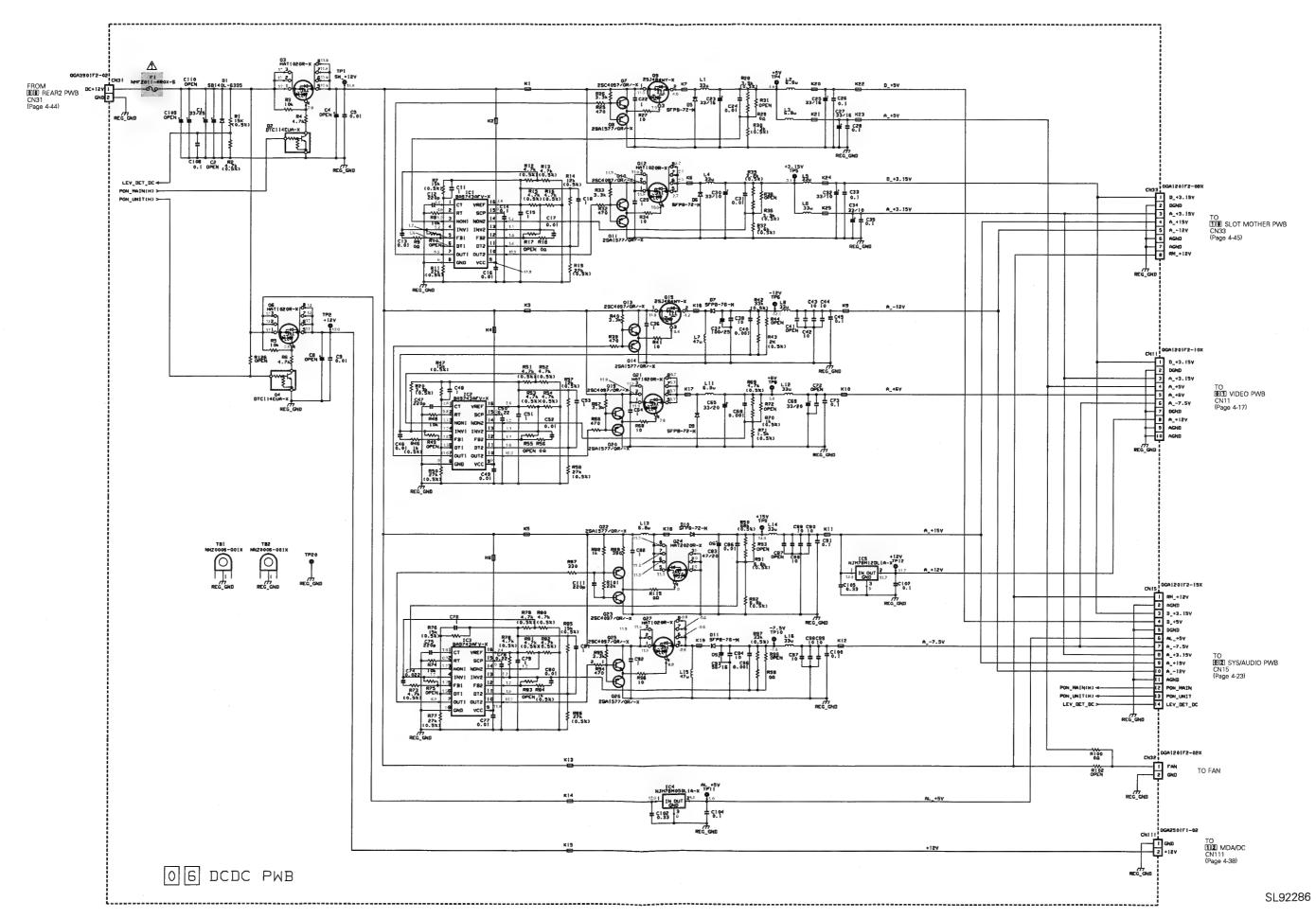
ADDRESS TABLE OF BOARD PARTS
 Each address may have an address error by one interval.

IC1	A-3H	R22	A-3C	R51	A-6L	TB2	A-5L	S6	A-4K
IC2	A-3I	R23	A-2B	R52	A-2B			S7	A-4M
IC3	A-1I	R24	A-2D			K1	A-1E	S8	A-2M
		R25	A-5M	VR1	A-1B	K2	A-1E	S9	A-4L
Q1	A-6M	R26	A-2H	VR2	A-1C	кз	A-1E	S10	A-2K
Q2	A-6L	R27	A-2H	VR3	A-1A	K4	A-1F	S11	A-2L
		R28	A-2H			K5	A-1F	S12	A-41
R1	A-1F	R29	A-4H	Ç1	A-3H	K6	A-1F	S13	A-2I
R2	A-3H	R30	A-4H	C2	A-3I	K7	A-11	S14	A-6M
R3	A-3H	R31	A-4H	C3	A-2C	l		S15	A-4A
R4	A-3H	R32	A-4H	C4	A-1C	LD1	A-6M	S16	A-4B
R5	A-4H	R33	A-3I	C5	A-2D	LD2	A-31	S17	A-3C
R6	A-4H	R34	A-3i	C6	A-1D	LD3	A-3L	S18	A-3A
R7	A-4H	R35	A-3I	C7	A-2B	LD4	A-4L	S19	A-2B
R8	A-4H	R36	A-31	C8	A-2B	LD5	A-4M	S20	A-4C
R9	A-3I	R37	A-41	C9	A-1H	LD6	A-3M	S21	A-3B
R10	A-3I	R38	A-41	C10	A-11	LD7	A-3K	S22	A-2A
R11	A-3I	R39	A-41	C11	A-11	LD8	A-4K	S23	A-2C
R12	A-3I	R40	A-6M	C12	A-2E	LD9	A-41		
R13	A-41	R41	A-6L	C13	A-2E	LD10	A-6L		
R14	A-41	R42	A-3J			l .			
R15	A-41	R43	A-3L	TP1	A-3D	CN1	A-1F		
R16	A-4A	R44	A-4L	TP2	A-2D				
R17	A-4C	R45	A-4M	TP3	A-3D	S1	A-1M		
R18	A-3D	R46	A-3M	TP4	A-1I	S2	A-1L		
R19	A-3A	R47	A-3K	TP5	A-4E	S3	A-1K		
R20	A-2C	R48	A-4J			S4	À-11		- 1
R21	A-4D	R49	A-4J	TB1	A-5A	S5	A-1J		
		ı		I		ı		Ī.	

- SIDE B -

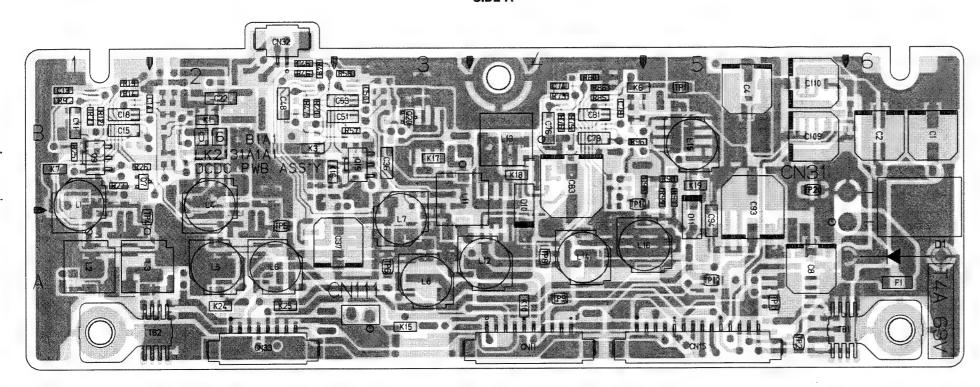


#### 4.14 DCDC BOARD SCHEMATIC DIAGRAM 06

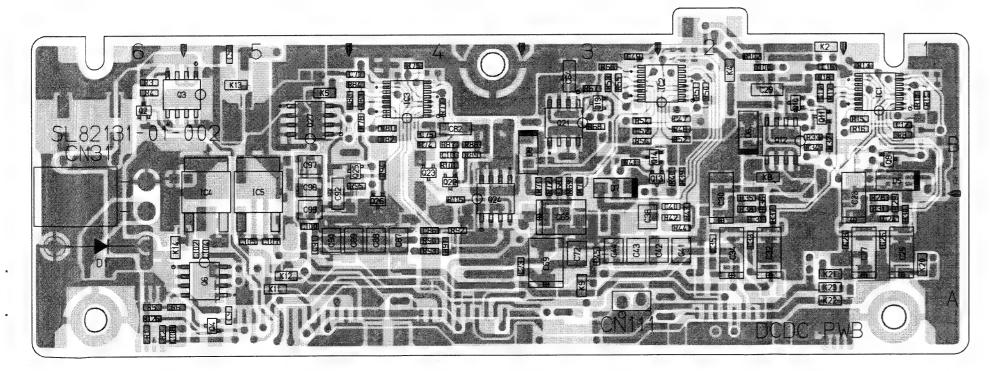


## 4.15 DCDC CIRCUIT BOARD

- SIDE A -



- SIDE B -



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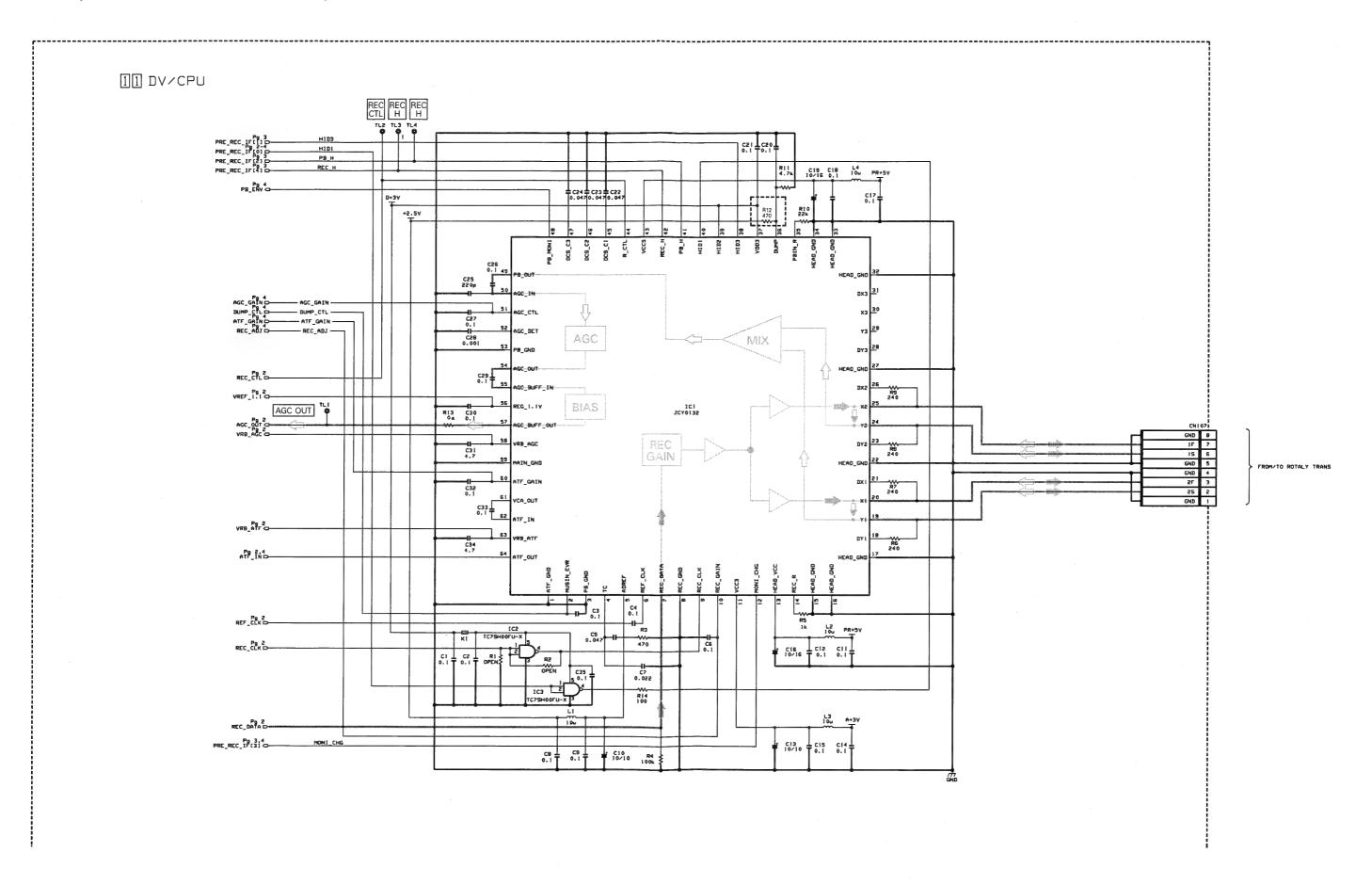
## ADDRESS TABLE OF BOARD PARTS

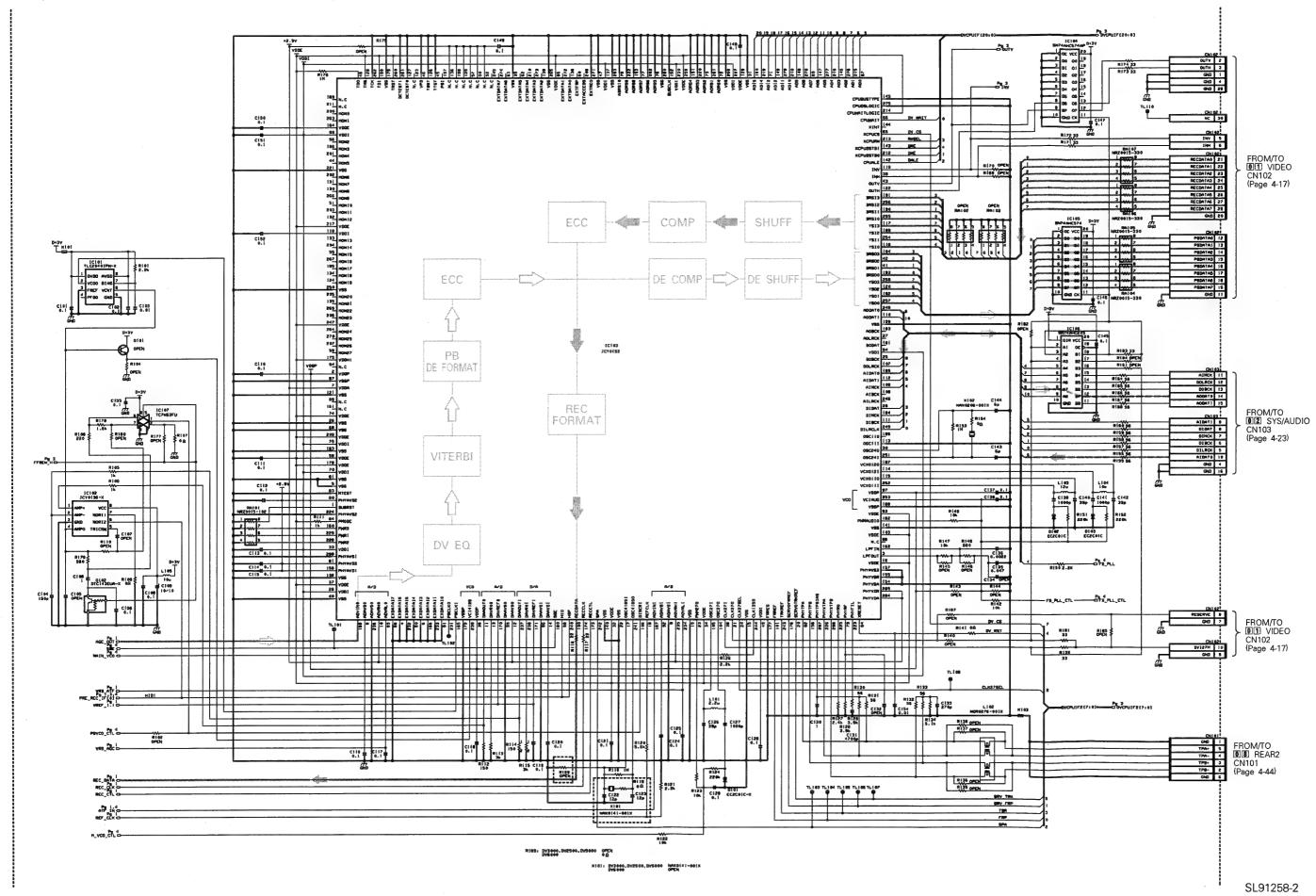
Each address may have an address error by one interval.

IC1	B-1B	R7	A-1B	R55	B-3B	C1	A-6B	C52	B-3B	L3	A-1A	K16	A-2B	l
1C2	B-2B	R8	B-1B	R56	B-3B	C2	A-6B	C53	A-3B	L4	A-2B	K17	A-3B	ı
IC3	B-4B	R9	A-1B	R57	A-3B	C4	A-5B	C64	B-3B	L5	A-2A	K18	A-4B	ı
IC4	B-5A	R10	B-1B	R58	A-3B	C5	B-5B	C65	В-ЗА	L6	A-2A	K19	A-5B	l
IC5	B-5A	R11	B-1B	R66	B-3B	C8	A-6A	C68	B-3B	L7	А-ЗА	K20	B-1A	ı
		R12	A-1B	R67	B-3B	C9	B-5A	C69	B-3A	L8	A-3A	K21	B-1A	ı
Q2	B-6B	R13	B-1B	R68	B-3B	C11	A-1B	C72	B-3A	L11	A-3B	K22	B-1A	ĺ
Q3	B-6B	R14	A-1B	R69	B-3B	C12	B-1B	C73	В-ЗА	L12	A-3A	K23	B-1A	ı
Q4	B-5A	R15	B-1B	R70	B-3B	C13	A-1B	C74	A-4B	L13	A-4B	K24	A-2A	ĺ
Q6	B-5A	R16	B-1B	R71	B-3B	C14	A-1B	C75	B-4B	L14	A-4A	K25	A-2A	ĺ
Q7	A-1B	R17	B-1B	R72	B-3B	C15	A-1B	C76	A-4B	L15	A-5B			ı
Q8	B-1B	R18	B-1B	R73	A-4B	C16	B-1B	C77	B-4B	L16	A-4A	CN11	A-4A	ı
Q9	A-1B	R19	A-1B	R74	B-4B	C17	B-1B	C78	A-4B			CN15	A-5A	ı
Q10	B-2B	R20	A-2B	R75	B-4B	C18	A-1B	C79	A-4B	TP1	A-5B	CN31	A-6A	ı
Q11	B-1B	R25	A-1B	R76	A-4B	C22	A-2B	C80	B-4B	TP2	A-5A	CN32	A-2C	ı
Q12	B-2B	R26	A-1B	R77	B-4B	C23	B-1A	C81	A-4B	TP4	A-1A	CN33	A-2A	ı
Q13	B-2B	R27	A-1B	R78	B-4B	C24	B-1A	C82	B-4B	TP5	A-2A	CN111	A-3A	ı
Q14	B-3B	R28	B-1A	R79	A-4B	C25	B-1A	C83	A-4B	TP6	A-3A			ı
Q15	A-3B	R29	B-1A	R80	A-4B	C26	B-1A	C86	B-4A	TP8	A-4A	F1	A-6A	ı
Q19	B-3B	R30	B-1A	R81	B-4B	C27	B-1A	C87	B-4A	TP9	A-4A			ı
Q20	A-3B	R31	B-1A	R82	B-4B	C28	B-1A	C88	B-4A	TP10	A-4B			ı
Q21	B-3B	R32	B-1B	R83	B-4B	C29	B-2B	C89	B-4A	TP11	A-5A			ı
Q22	B-4B	R33	B-1B	R84	B-4B	C30	B-2A	C90	B-5A	TP12	A-5A			ı
Q23	B-4B	R34	B-1B	R85	A-4B	C31	B-2A	C91	B-5A	TP20	A-6B			ı
Q24	B-4A	R35	B-2A	R86	A-4B	C32	B-2A	C92	B-5A					ı
Q25	B-4B	R36	B-2A	R87	B-4B	C33	B-2A	C93	A-5A	TB1	A-6A			ı
Q26	B-4A	R37	B-2A	R88	B-4B	C34	B-2A	C94	A-5A	TB2	A-1A			ı
Q27	B-5B	R38	B-2A	R89	B-4B	C35	B-2A	C96	A-4B					ı
		R39	B-2B	R90	B-4A	C36	A-3B	C97	B-5B	K1	A-2B			ı
D1	A-6A	R40	B-2B	R91	B-4A	C37	A-3A	C98	B-5B	K2	B-1B			ı
D5	B-1B	R41	B-3B	R92	B-4A	C38	B-3A	C99	B-5A	K3	A-2B			ı
D6	B-2B	R42	B-2A	R93	B-4A	C40	B-2A	C100	B-5A	K4	B-2B			ı
D7	B-3B	R43	B-2A	R94	B-4B	C41	B-2A	C102	B-5A	K5	B-5B			ı
D9	B-3B	R44	B-2A	R95	B-4B	C42	B-2A	C104	B-5A	K6	A-4B			ı
D10	A-4A	R46	A-2B	R96	A-4B	C43	B-3A	C105	B-5A	K7	A-1B			ı
D11	A-5A	R47	A-2B	R97	A-5 <b>B</b>	C44	B-3A	C107	B-5A	K8	B-2B			ı
		R48	B-2B	R98	A-5B	C45	B-3A	C108	B-6A	K9 -	B-3A			ı
R1	B-6A	R49	A-2B	R99	A-5B	C46	A-2B	C109	A-6B	K10	A-4A			ı
R2	B-6A	R50	B-2B	R100	B-2B	C47	B-2B	C110	A-6B	K11	B-5A			ı
R3	B-6B	R51	B-2B	R101	B-4B	C48	A-2B	C111	B-4B	K12	B-5A			ı
R4	B-6B	R52	B-2B	R102	B-2B	C49	B-3B			K13	B-5B			ı
R5	B-6A	R53	B-3B	R115	B-4A	C50	A-3B	L1	A-1B	K14	B-6A			ı
R6	B-6A	R54	B-3B	R126	B-6A	C51	A-3B	12	A-1A	K15	A-3A			ı
						1		l					J	ĺ

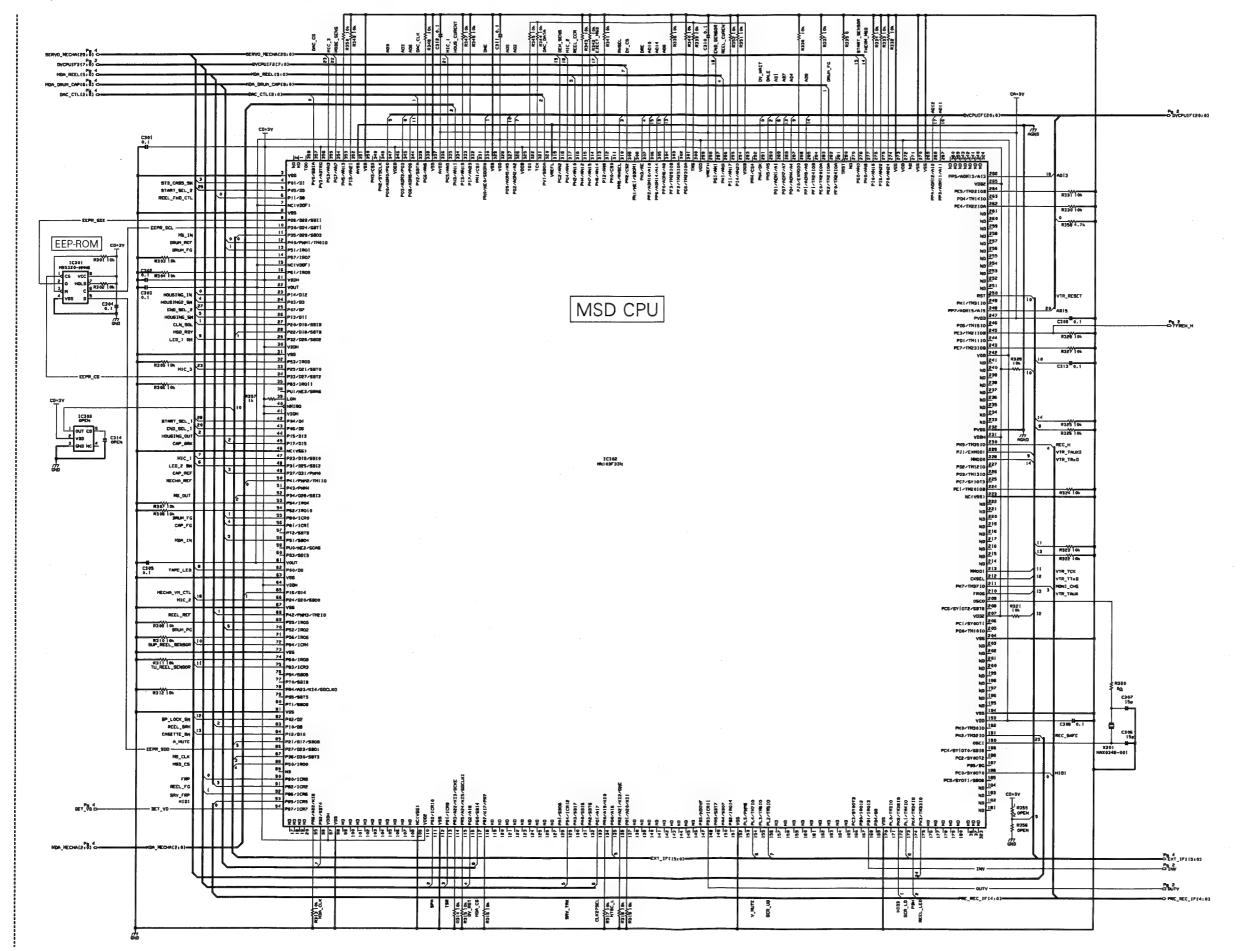
4-29

4-29



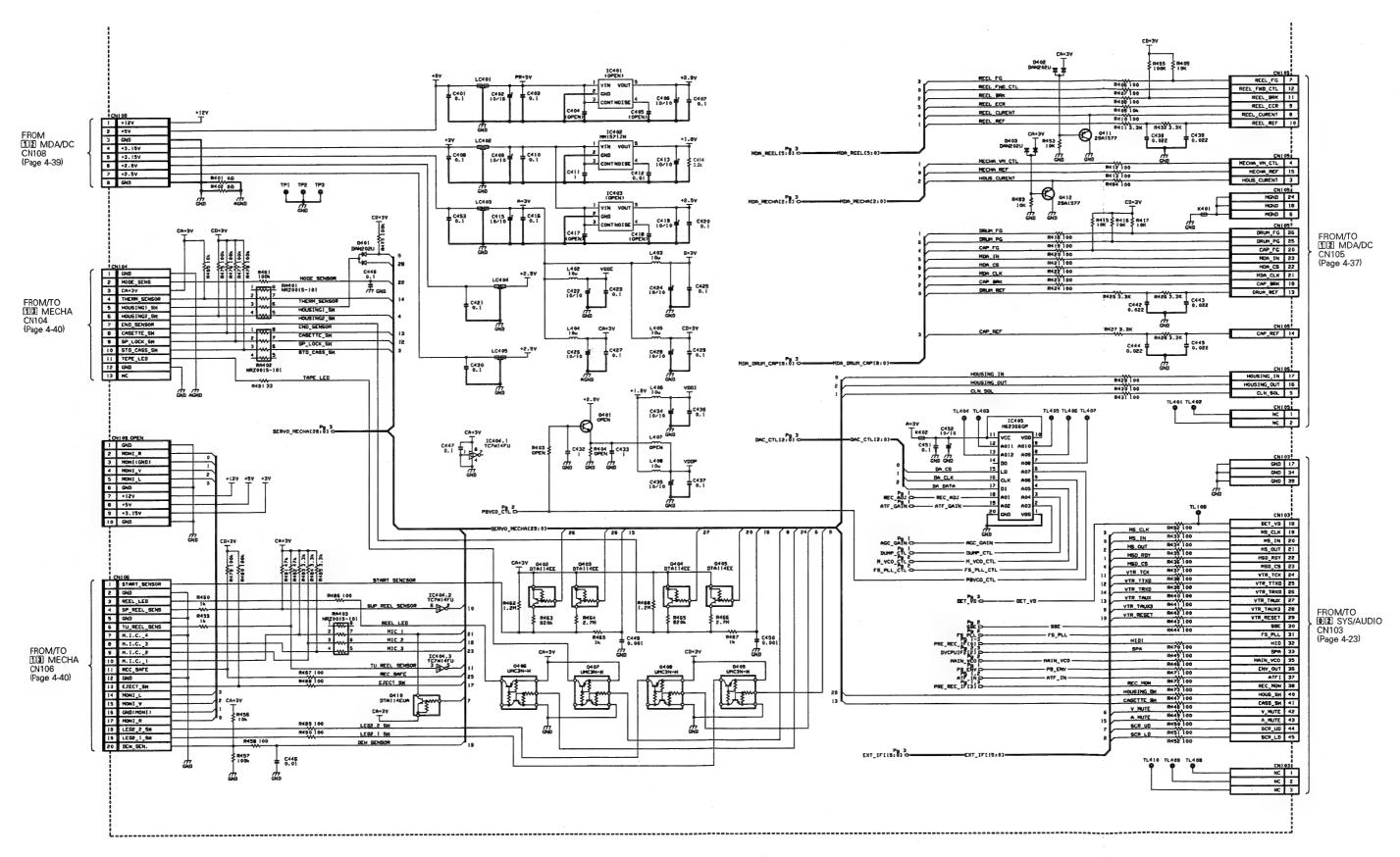


#### - DV/CPU BOARD SCHEMATIC DIAGRAM 11 (3/4) -



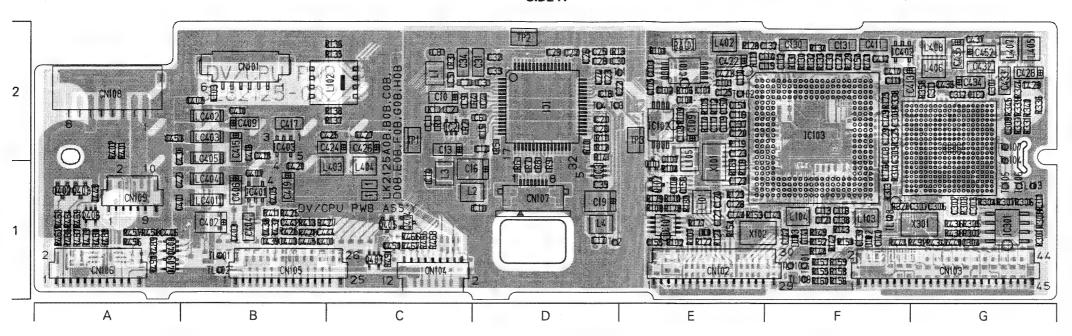
SL91258-3

#### - DV/CPU BOARD SCHEMATIC DIAGRAM 11 (4/4) -

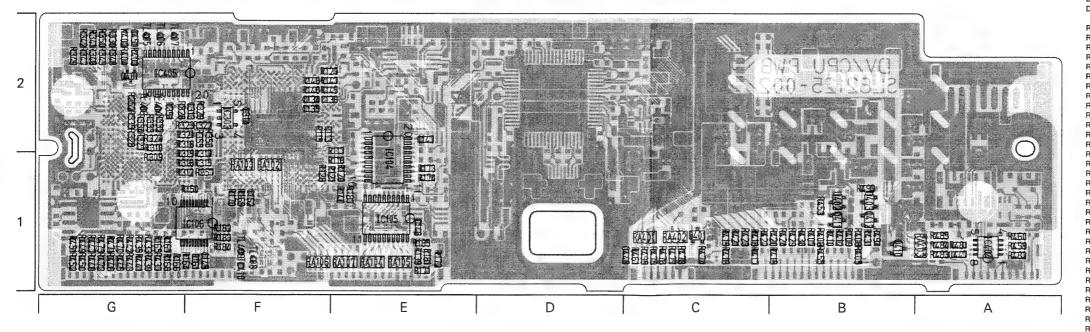


SL91258-4

4-33



- SIDE B -

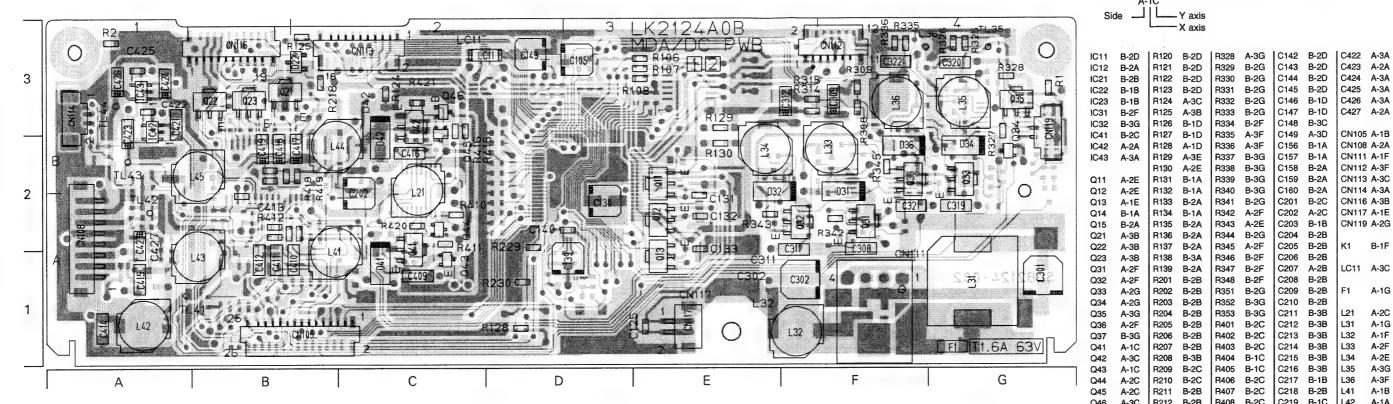


#### ADDRESS TABLE OF BOARD PARTS

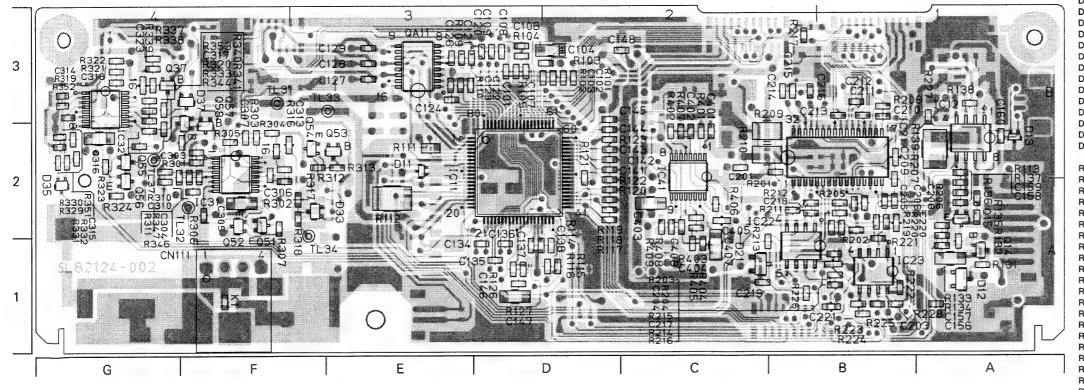
Each address may have an address error by one interval.

C12												
Cac   A-2C	IC1	A-2D	R136	A-2C	B339	A-2G	l R473	B-1G	l C119	A-2E	C439	A-1B
Cit   A-10												
C1012   A-2E   R140							R475	B-1C	C121			
Citol		A-2E	R139	B-1E	R342	B-2G	R476	B-1C	C122	A-1E	C444	A-1B
Citol											C445	
C1019 B-1E   R142 A-1F   R345 A-20												
Cition   B-1E   R144   A-1F   R349   B-26   R480   A-1A   C126   A-1E   C449   A-1A   C107   A-1E   C449   A-1A   C107   A-1E   C449   A-1A   C107   A-1E   C449   A-1A   C102   A-1F   C107   A-1E   C449   A-1A   C102   A-1F   C105   A-1F   C1030   A-1F   R480   B-2F   R349   B-26   R484   B-1A   C129   A-2F   C451   B-2G   C302   A-2G   R147   A-1F   R352   B-2G   R484   B-1A   C130   A-2F   C452   A-2G   C404   A-1A   R184   B-1A   R184   A-1F   R358   B-2F   R488   B-1A   C132   A-2F   C402   A-2F   C403   A-1A   R185   A-1F   R358   B-2F   R488   A-1A   C132   A-2F   C404   B-1A   R152   A-1F   R358   B-2F   R488   A-1A   C132   A-2F   C404   B-1A   R152   A-1F   R358   B-2F   R488   A-1A   C134   B-2F   X102   A-1F   C404   B-1A   R152   A-1F   R358   B-2F   R488   A-1A   C134   B-2F   X102   A-1F   C404   B-1A   R152   A-1F   R358   B-2F   R488   A-1A   C134   B-2F   X102   A-1F   C404   B-1A   R489   A-1A   C136   B-2F   X102   A-1F   A-2C   C102   A-1E   R489   A-1A   C136   B-2F   X102   A-1F   A-2C   C102   A-1E   R489   A-1A   C136   B-2F   X102   A-1F   A-2C   C102   A-1E   A-1F   R409   B-1A   C136   B-2F   X102   A-1F   A-2C   C143   A-1F   A-2F   A-2F			B142				1					
Cition   A-16   R146												
Color   A-16   R146   B-2F   R349   B-26   R482   B-14   C129   A-2F   C461   B-26   R350   B-26   R464   B-14   C130   A-2F   C462   B-26   R360   B-26   R464   B-14   C130   A-2F   C462   A-26   C302   A-2F   R148   B-2F   R350   B-26   R464   B-14   C130   A-2F   C462   A-26												
Cade   A-16												
Cacco   A-26									1			
CACO   A-16   R149												
			R150						1		X101	A-1E
	IC403		1		R356		1	A-1A			1	
			1		1							
Display   Color   Co											TP1	A-2C
	Q101	A-1E			1							
Decomposition   Color   Colo			1		1							
A-10											•	
CACAC   A-1C   R160   A-1F   R407   B-1B   R4101   B-1F   C142   A-1F   CN103   A-1G   C406   A-1C   R161   B-1F   R408   B-1B   R4103   B-1F   C144   A-1E   CN104   A-1C   C406   A-1A   R164   B-1F   R408   B-1B   R4103   B-1F   C146   B-1E   CN105   A-1B   C406   A-1A   R166   B-1G   R411   A-1B   R4105   B-1E   C146   B-1E   CN105   A-1B   C406   A-1A   R166   B-1G   R412   B-1B   R4105   B-1E   C147   B-2E   CN107   A-1D   C406   A-1A   R167   B-1G   R412   B-1B   R4105   B-1E   C148   A-2F   CN107   A-1D   C401   B-1B   R168   B-1G   R412   B-1B   R4105   B-1E   C148   A-2F   CN107   A-1D   C401   B-1B   R168   B-1F   R415   B-1B   R406   B-1E   C148   A-2F   CN109   A-1A   C401   B-1B   R168   B-1F   R415   B-1B   R407   B-1E   C148   A-2F   CN109   A-1A   C401   B-1B   R170   B-1F   R416   B-1C   R402   B-1C   C150   A-2E   C150   A-2E									ł .		CN101	A-2B
CAMPS   A-1C   R160   A-1F   R409   B-1B   R4010   A-2E   C143   A-1F   C1440   A-1E   C4406   A-1A   R164   B-1F   R409   B-1B   R4010   B-1F   C144   A-1E   C1406   A-1B   C4406   A-1A   R166   B-1G   R411   A-1B   R4106   B-1F   C146   B-1E   C147   A-1E   C1406   A-1A   C4406   A-1A   R166   B-1G   R411   A-1B   R4106   B-1F   C146   B-1E   C147   A-2F   C1700   A-1A   C4400   A-1A   R166   B-1G   R411   A-1B   R4106   B-1F   C148   A-2F   C1700   A-1A   C4400   A-1A   R167   B-1G   R413   A-1B   R4106   B-1F   C148   A-2F   C70108   A-2A   C4410   B-1B   R168   B-1G   R413   A-1B   R4106   B-1F   C148   A-2F   C70108   A-2A   C4410   B-1B   R168   B-1G   R415   B-1B   R4106   B-1C   C150   A-2E   C4410   A-2F   C70108   A-2A   C4410   B-1B   R170   B-1F   R416   B-1C   R4402   B-1C   C150   A-2E   C4410   A-2F   C70108   A-2A   C4410   A-2F   C70108   A-2A   C4410   A-2F   C70108   A-2A   C4410   A-2F   C70108   A-2A   C7									ı		1	
CAUSE   A-10							BA101	A-2F				
CAMP   A-1C   R165   B-1G   R410   B-1B   RA103   B-1F   C146   B-1F   CN105   A-1B   CAMP   A-1C   CAMP   A-1C   R165   B-1G   R411   A-1B   RA106   B-1F   C148   A-2F   CN106   A-1A   CAMP   R168   B-1G   R413   A-1B   RA106   B-1F   C148   A-2F   CN107   A-1D   CAMP   A-1C   C									1			
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R3         A-2C         R180         A-1E         R427         A-1B         CS         A-2C         C306         A-1G         LC405         A-2B           R3         A-2C         R181         B-1F         R428         A-1B         C9         A-2C         C307         A-1G         LC405         A-2B           R5         A-2D         R182         B-1F         R428         A-1B         C10         A-2C         C308         A-2G         L1         A-2C           R6         A-1D         R185         B-1F         R430         B-1B         C11         A-1D         C309         A-2F         L2         A-1C           R7         A-1D         R185         B-1E         R431         B-1G         C14         A-1C         C311         A-2G         L4         A-1G         R8         A-1D         R189         A-1E         R431         B-1G         C15         A-2D         C311         A-2G         L101         A-1E         R431         B-1G         C15         A-2D         C311         B-2E         L102         A-2E         L102         A-2E         L102         A-2E         L103         A-1C         R433         B-1G         C17         A-1D	R1	A-2C	1									
R3												
R4         A-2D         R182         B-1F         R428         A-1B         C10         A-2C         C308         A-2G         L1         A-2C           R6         A-1D         R183         B-1F         R429         B-1B         C11         A-1D         C309         A-2G         L1         A-1C           R7         A-1D         R185         B-1E         R430         B-1B         C11         A-2C         C311         A-2G         L4         A-1D           R8         A-1D         R187         B-1E         R432         A-1B         C14         A-1C         C312         A-2G         L101         A-1E           R10         A-2D         R130         A-1G         R434         A-1G         C16         A-1D         C314         B-2F         L102         A-2C           R11         A-2D         R303         A-1G         R435         B-1G         C17         A-1D         C401         A-1B         L402         A-2D           R11         A-2D         R303         A-1G         R437         B-1G         C21         A-2D         C404         A-1B         L404         A-1C           R11         A-2D         R305         A											L0403	N-2D
R5         A-2D         R183         B-1F         R429         B-1B         C11         A-1D         C309         A-2F         L2         A-1C           R6         A-1D         R184         B-1F         R430         B-1B         C12         A-2D         C310         A-2G         L1         A-1C         R431         A-1B         B-1B         R187         B-1B         R187         B-1B         R187         B-1B         R187         B-1B         C13         A-2C         C311         A-2G         L4         A-1D         R187         R187         B-1B         R143         B-1B         C14         A-1C         C312         A-2G         L101         A-1E         R434         B-1G         C15         A-2D         C313         B-2F         L102         A-2C         R10         A-1G         R435         B-1G         C16         A-1D         C314         B-2F         L103         A-1G         R140         A-1G         R140         A-1G         R140         A-1G         R436         A-1G         C16         A-1D         C403         A-1B         L402         A-2B         R141         A-2D         R308         A-1G         R439         B-1G         C20         A-2D <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>11</td><td>A-2C</td></td<>											11	A-2C
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R144   A-2D   R305   A-1G   R438   A-1G   C20   A-2D   C404   A-1B   L403   A-1C   R101   A-2E   R306   A-1G   R439   B-1G   C21   A-2D   C405   A-1B   L404   A-1C   R102   A-1E   R308   A-1G   R440   A-1G   C22   A-2E   C406   A-1B   L405   A-2G   R104   A-1E   R308   A-1G   R440   A-1G   C22   A-2E   C406   A-1B   L405   A-2G   R106   A-2E   R309   B-1G   R442   B-1G   C23   A-2D   C407   A-1B   L406   A-2G   R106   A-2E   R310   B-2G   R442   B-1G   C25   A-2D   C409   A-2B   L407   A-2G   R107   A-1E   R311   A-1G   R444   A-1F   C26   A-2D   C409   A-2B   L408   A-2G   R107   A-1E   R311   A-1G   R444   A-1F   C26   A-2D   C410   A-2B   C408   A-2E   R109   A-2E   R313   A-1F   R446   B-1G   C27   A-2D   C411   A-2F   T1.1   A-2E   R110   A-1E   R314   A-1F   R447   B-1G   C39   A-2D   C413   A-2F   T1.2   A-1D   R111   A-2E   R316   B-1F   R448   B-1G   C30   A-2D   C414   A-2F   T1.4   A-2D   R112   A-2E   R318   B-1F   R449   B-1G   C31   A-2D   C416   A-2B   T1.10   A-1E   R115   B-2F   R319   B-1F   R450   B-1G   C32   A-2D   C416   A-2B   T1.102   A-2E   R115   B-2F   R319   B-1F   R459   B-1G   C33   A-2D   C416   A-2B   T1.102   A-2E   R116   B-1E   R320   A-1F   R453   B-1B   C35   A-2D   C416   A-2B   T1.103   A-1G   R116   B-1E   R320   A-1F   R458   B-1B   C35   A-1D   C419   A-1B   T1.105   A-1G   R119   A-2E   R328   B-2F   R455   B-1B   C101   A-2E   C420   A-1B   T1.105   A-1G   R112   B-1E   R326   B-2G   R460   B-1A   C102   A-2E   C422   A-2E   T1.103   A-1F   R124   A-1E   R326   B-2G   R460   B-1A   C106   A-2E   C422   A-2E   T1.100   A-1F   R124   A-1E   R326   B-2G   R460   B-1A   C106   A-2E   C422   A-2E   T1.100   A-1F   R124   A-1E   R326   B-2G   R460   B-1A   C106   A-2E   C422   A-2E   T1.100   A-1F   R124   A-1E   R326   B-2G   R460   B-1A   C106   A-2E   C422   A-2E   T1.100   A-1F   R124   A-1E   R326   B-2G   R460   B-1A   C106   A-2E   C422   A-2E   T1.100   A-1F   R124   A-1E   R326   B-2G   R460   B-1A   C106   A-2E   C422   A-2E   T1.100   A-1F   R123   A-2F   R330			I		ı							
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R113   B-2F   R317   B-1F   R450   B-1G   C32   A-2D   C416   A-2B   TL102   A-2E   R114   A-2E   R318   B-2F   R451   B-1G   C33   A-2D   C417   A-2B   TL103   A-1G   R115   B-2F   R319   B-1F   R452   B-1G   C34   A-2C   C418   A-2B   TL104   A-2G   R116   B-1E   R320   A-1F   R453   B-1B   C35   A-1D   C419   A-1B   TL105   A-1G   R117   B-2E   R321   B-2F   R455   B-1B   C101   A-2E   C420   A-1B   TL105   A-1G   R118   A-1E   R322   B-2F   R456   A-1A   C102   A-2E   C421   A-1A   TL107   A-2G   R119   A-2E   R323   B-2F   R457   A-1A   C103   A-2E   C422   A-2E   TL108   A-1F   R120   B-1E   R324   B-2G   R458   A-1A   C104   A-2E   C423   A-2E   TL109   A-1F   R121   B-1E   R325   A-2F   R459   B-1A   C105   A-2E   C424   A-2C   TL108   A-1F   R122   A-1E   R326   B-2G   R460   B-1A   C106   A-2E   C426   A-2C   TL101   A-1F   R123   A-1E   R328   B-2G   R460   B-1A   C106   A-2E   C426   A-2C   TL104   A-1B   R124   A-1E   R328   B-2G   R462   A-1A   C108   A-2E   C428   A-2C   TL404   A-1B   R124   A-1E   R329   B-2F   R463   A-1A   C109   A-2E   C428   A-2G   TL403   B-2G   R462   A-1A   C109   A-2E   C428   A-2G   TL404   B-2G   R128   A-2F   R330   B-2G   R466   A-1C   C111   A-2F   C425   A-2G   TL405   B-2G   R128   A-2F   R333   B-2G   R466   A-1C   C111   A-2F   C430   A-2A   TL404   B-2G   R133   A-2F   R333   B-2G   R467   A-1C   C112   A-2F   C430   A-2G   TL406   B-1F   R133   A-2F   R335   B-2G   R467   A-1C   C116   A-2F   C434   A-2G   TL408   B-1F   R133   A-2F   R335   B-2G   R467   B-1G   C116   A-2E   C436   A-2G   TL409   B-1F   R133   A-2F   R337   A-2G   R469   B-1A   C116   A-2E   C436   A-2G   TL409   B-1F   R133   A-2F   R336   A-2G   R470   B-1G   C116   A-2E   C436   A-2G   TL409   B-1F   R133   A-2F   R337   A-2G   R470   B-1G   C116   A-2E   C436   A-2G   TL409   B-1F   R133   A-2F   R337   A-2G   R470   B-1G   C116   A-2E   C436   A-2G   TL409   B-1F   R133   A-2F   R337   A-2G   R470   B-1G   C116   A-2E   C436   A-2G   TL409   B-1F   TL409   B-1F   TL409   B-1F   TL409												
R114												
R115												
R116         B-1E         R320         A-1F         R453         B-1B         C35         A-1D         C419         A-1B         TL105         A-1G           R117         B-2E         R321         B-2F         R455         B-1B         C101         A-2E         C420         A-1B         TL105         A-1G           R118         A-1E         R323         B-2F         R456         A-1A         C102         A-2E         C421         A-1A         TL107         A-2G           R119         A-2E         R323         B-2F         R457         A-1A         C103         A-2E         C422         A-2E         TL108         A-1F           R120         B-1E         R324         B-2G         R458         A-1A         C104         A-2E         C422         A-2E         TL108         A-1F           R121         B-1E         R325         B-2G         R460         B-1A         C106         A-1E         C426         A-2C         TL101         A-1F           R123         A-1E         R328         B-2G         R461         B-1C         C107         A-2E         C426         A-2C         TL401         A-1B           R124         A-1E												
R117   B-2E   R321   B-2F   R455   B-1B   C101   A-2E   C420   A-1B   TL106   A-1G												
R118												
R119   A-2E   R323   B-2F   R457   A-1A   C103   A-2E   C422   A-2E   TL108   A-1F   R120   B-1E   R325   A-2F   R459   B-1A   C104   A-2E   C423   A-2E   TL108   A-1F   R121   B-1E   R325   A-2F   R459   B-1A   C105   A-2E   C424   A-2C   TL101   A-1F   R122   A-1E   R326   B-2G   R460   B-1A   C106   A-1E   C425   A-2C   TL401   A-1B   R123   A-1E   R328   B-2G   R461   B-1C   C107   A-2E   C426   A-2C   TL401   A-1B   R124   A-1E   R328   B-2G   R462   A-1A   C106   A-2E   C428   A-2C   TL403   B-2G   R126   B-1F   R329   B-2F   R463   A-1A   C108   A-2E   C428   A-2C   TL404   B-2G   R128   A-2E   R331   A-2G   R464   A-1A   C110   A-2E   C428   A-2G   TL404   B-2G   R129   A-2F   R333   B-2G   R466   A-1C   C111   A-2F   C430   A-2A   TL406   B-2G   R129   A-2F   R333   B-2G   R466   A-1C   C112   A-2F   C432   A-2G   TL407   B-2G   R133   A-2F   R333   B-2G   R468   A-1C   C114   A-2F   C433   A-2G   TL408   B-1F   R132   A-2F   R335   B-2G   R468   A-1C   C114   A-2F   C433   A-2G   TL408   B-1F   R133   A-2F   R335   B-2G   R469   A-1A   C115   A-2F   C434   A-2G   TL408   B-1F   R133   A-2F   R335   B-2G   R469   A-1A   C116   A-2F   C435   A-2G   TL408   B-1F   R133   A-2F   R335   B-2G   R469   A-1A   C115   A-2F   C435   A-2G   TL408   B-1F   R133   A-2F   R336   A-2G   R470   B-1G   C116   A-2E   C436   A-2G   TL408   B-1F   TL407   B-1G   C116   A-2E   C436   A-2G   TL407   B-1G   C116   A-2E   C436   A-2					l .							
R120   B-1E   R324   B-2G   R458   A-1A   C104   A-2E   C423   A-2E   TL109   A-1F					l .							
R121   B-1E   R325   A-2F   R459   B-1A   C105   A-2E   C424   A-2C   TL110   A-1F												
R122					l .							
R123   A-1E   R327   B-2G   R461   B-1C   C107   A-2E   C426   A-2C   T1.402   A-1B     R124   A-1E   R328   B-2G   R462   A-1A   C108   A-2E   C427   A-2C   T1.403   B-2G     R126   B-1F   R329   B-2F   R463   A-1A   C109   A-2E   C428   A-2G   T1.404   B-2G     R127   B-2F   R330   B-2G   R464   A-1A   C110   A-2E   C428   A-2G   T1.405   B-2G     R128   A-2E   R331   A-2G   R465   A-1C   C111   A-2F   C430   A-2A   T1.407   B-2G     R130   A-2F   R333   B-2G   R466   A-1C   C112   A-2F   C432   A-2G   T1.407   B-2G     R131   A-2F   R333   B-2G   R468   A-1C   C114   A-2F   C433   A-2G   T1.408   B-1F     R131   A-2F   R335   B-2G   R469   A-1A   C115   A-2F   C434   A-2G   T1.409   B-1F     R133   A-2F   R336   A-2G   R470   B-1G   C116   A-2E   C436   A-2G   T1.409   B-1F     R133   A-2F   R336   A-2G   R470   B-1G   C116   A-2E   C436   A-2G   T1.409   B-1F     R134   A-2F   R337   A-2G   R471   B-1G   C116   A-2E   C436   A-2G   C4												
R124         A-1E         R328         B-2G         R462         A-1A         C108         A-2E         C427         A-2C         TL403         B-2G           R126         B-1F         R329         B-2F         R463         A-1A         C109         A-2E         C428         A-2G         TL404         B-2G           R127         B-2F         R330         B-2G         R464         A-1A         C110         A-2E         C429         A-2G         TL406         B-2G           R128         A-2F         R332         B-2G         R466         A-1C         C111         A-2F         C432         A-2G         TL406         B-2G           R130         A-2F         R333         B-2G         R466         A-1C         C112         A-2F         C432         A-2G         TL407         B-2G           R131         A-2F         R334         B-2G         R468         A-1C         C114         A-2F         C432         A-2G         TL408         B-1F           R132         A-2F         R335         B-2G         R468         A-1C         C114         A-2F         C434         A-2G         TL408         B-1F           R133         A-2F												
R126         B-1F         R329         B-2F         R463         A-1A         C109         A-2E         C428         A-2G         TL404         B-2G           R127         B-2F         R330         B-2G         R464         A-1A         C110         A-2E         C429         A-2G         TL404         B-2G           R128         A-2F         R331         A-2G         R465         A-1C         C111         A-2F         C430         A-2A         TL406         B-2G           R130         A-2F         R333         B-2G         R466         A-1C         C112         A-2F         C432         A-2G         TL407         B-2G           R131         A-2F         R334         B-2G         R468         A-1C         C114         A-2F         C433         A-2G         TL408         B-1F           R132         A-2F         R335         B-2G         R468         A-1C         C114         A-2F         C434         A-2G         TL408         B-1F           R133         A-2F         R336         A-2G         R469         A-1A         C115         A-2F         C434         A-2G         TL408         B-1F           R133         A-2F												
R127         B-2F         R330         B-2G         R464         A-1A         C110         A-2E         C429         A-2G         TL405         B-2G           R128         A-2E         R331         A-2G         R465         A-1C         C111         A-2F         C430         A-2A         TL405         B-2G           R130         A-2F         R332         B-2G         R466         A-1C         C112         A-2F         C432         A-2G         TL407         B-2G           R130         A-2F         R334         B-2G         R467         A-1C         C114         A-2F         C433         A-2G         TL408         B-1F           R132         A-2F         R335         B-2G         R468         A-1C         C114         A-2F         C434         A-2G         TL408         B-1F           R133         A-2F         R336         B-2G         R469         A-1A         C115         A-2F         C436         A-2G         TL408         B-1F           R133         A-2F         R336         A-2G         R470         B-1G         C116         A-2E         C436         A-2G         R40         B-1G         C116         A-2E         C436					l .							
R128         A-2E         R331         A-2G         R465         A-1C         C111         A-2F         C430         A-2A         TL406         B-2G           R129         A-2F         R332         B-2G         R466         A-1C         C112         A-2F         C432         A-2G         TL407         B-2G           R130         A-2F         R338         B-2G         R467         A-1C         C113         A-1F         C433         A-2G         TL408         B-1F           R131         A-2F         R335         B-2G         R468         A-1C         C114         A-2F         C434         A-2G         TL409         B-1F           R133         A-2F         R335         B-2G         R468         A-1C         C116         A-2F         C436         A-2G         TL409         B-1F           R133         A-2F         R336         A-2G         R470         B-1G         C116         A-2E         C436         A-2G         R409         B-1F           R134         A-2F         R337         A-2G         R470         B-1G         C116         A-2E         C436         A-2G         R409         B-1F         R34         A-2G         R409					l .							
R129         A-2F         R332         B-2G         R466         A-1C         C112         A-2F         C432         A-2G         TL407         B-2G           R130         A-2F         R333         B-2G         R468         A-1C         C113         A-1F         C433         A-2G         TL408         B-1F           R131         A-2F         R335         B-2G         R468         A-1C         C114         A-2F         C434         A-2G         TL409         B-1F           R132         A-2F         R335         B-2G         R469         A-1A         C115         A-2F         C435         A-2G         TL409         B-1F           R133         A-2F         R336         A-2G         R470         B-1G         C116         A-2E         C436         A-2G         R40         B-1F           R134         A-2F         R337         A-2G         R471         B-1G         C117         A-2E         C436         A-2G         R40         B-1F					l .							
R130         A-2F         R333         B-2G         R467         A-1C         C113         A-1F         C433         A-2G         TL408         B-1F           R131         A-2F         R334         B-2G         R468         A-1C         C114         A-2F         C434         A-2G         TL408         B-1F           R132         A-2F         R335         B-2G         R469         A-1A         C115         A-2F         C435         A-2G         TL408         B-1F           R133         A-2F         R336         A-2G         R470         B-1G         C116         A-2E         C436         A-2G         R410         B-1F           R134         A-2F         R337         A-2G         R470         B-1G         C117         A-2E         C436         A-2G         R410         B-1F           R134         A-2F         R337         A-2G         R471         B-1G         C117         A-2E         C437         A-2G         B-1F												
R131         A-2F         R334         B-2G         R468         A-1C         C114         A-2F         C434         A-2G         TL409         B-1F           R132         A-2F         R335         B-2G         R469         A-1A         C115         A-2F         C436         A-2G         TL410         B-1F           R133         A-2F         R336         A-2G         R470         B-1G         C116         A-2E         C436         A-2G         R4           R134         A-2F         R337         A-2G         R471         B-1G         C117         A-2E         C437         A-2G         A-2G												
R132         A-2F         R335         B-2G         R469         A-1A         C115         A-2F         C435         A-2G         TL410         B-1F           R133         A-2F         R336         A-2G         R470         B-1G         C116         A-2E         C436         A-2G         R-2G         R471         B-1G         C117         A-2E         C437         A-2G         R-2G         R												
R133 A-2F R336 A-2G R470 B-1G C116 A-2E C436 A-2G R134 A-2F R337 A-2G R471 B-1G C117 A-2E C437 A-2G												
R134 A-2F R337 A-2G R471 B-1G C117 A-2E C437 A-2G											1410	D-1F
						,						
1100 A-20   1000 A-2F   19472 B-10   C118 A-1F   C438 A-1B												
	ri 135	A-20	M338	A-2F	H4/2	в-1Gi	0118	A-1F	C438	A-1B		ı

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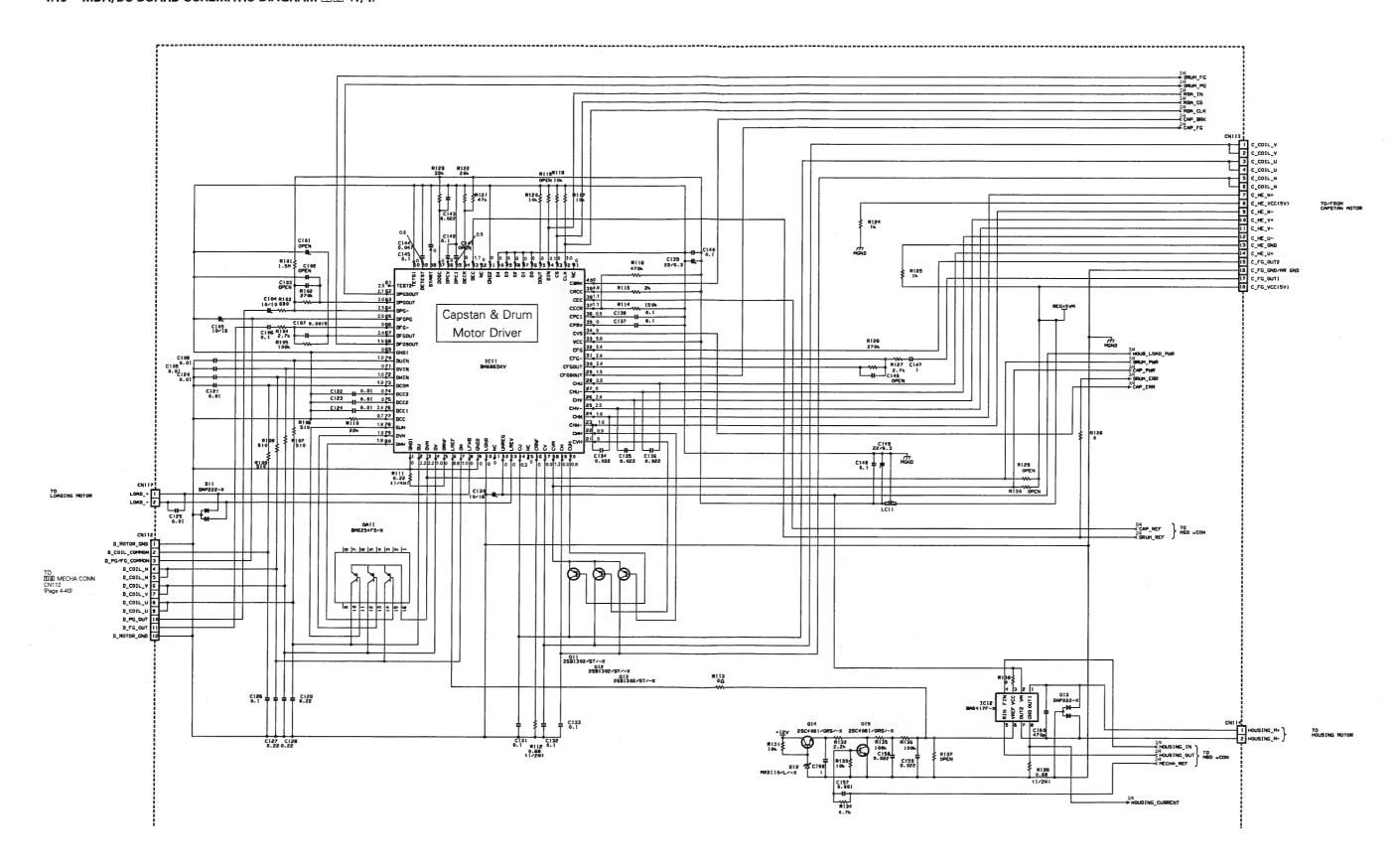
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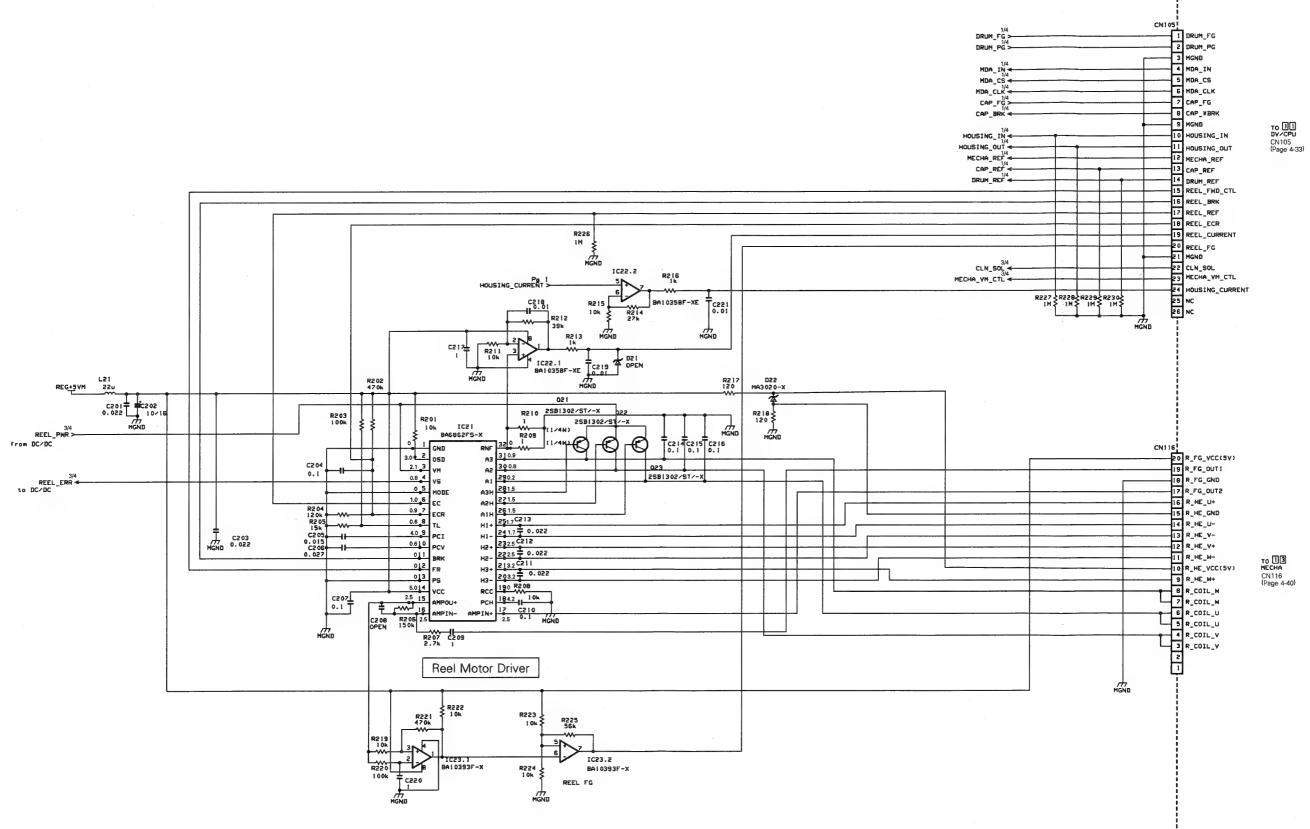


#### ADDRESS TABLE OF BOARD PARTS

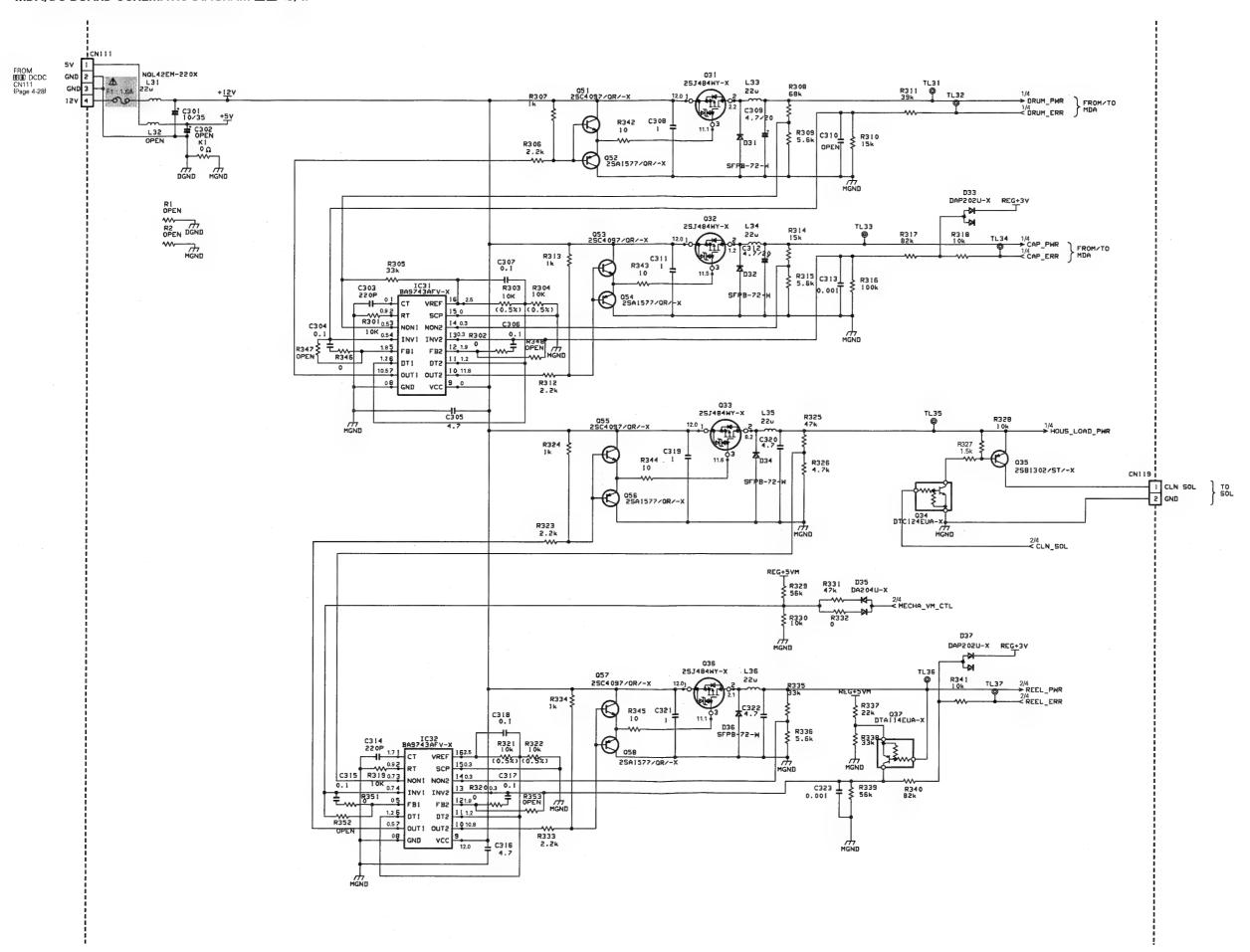
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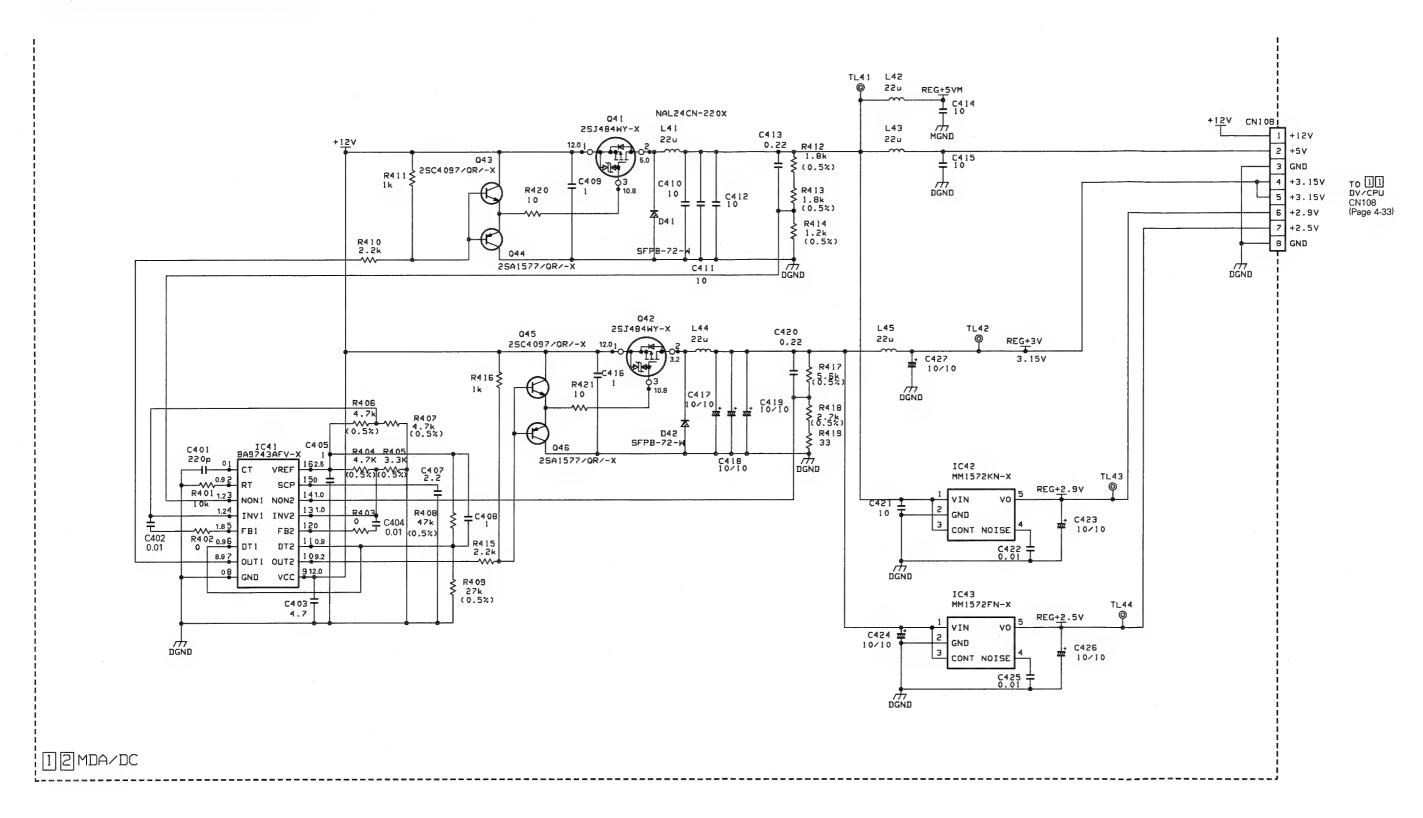
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IC12	B-2A	R121	B-2D	R329	B-2G	C143	B-2D	C423	A-2A
IC21	B-2B	R122	B-2D	R330	B-2G	C144	B-2D	C424	A-3A
IC22	B-1B	R123	B-2D	R331	B-2G	C145	B-2D	C425	A-3A
IC23	B-1B	R124	A-3C	R332	B-2G	C146	B-1D	C426	A-3A
IC31	B-2F	R125	A-3B	R333	B-2G	C147	B-1D	C427	A-2A
IC32	B-3G	R126	B-1D	R334	B-2F	C148	B-3C		
IC41	B-2C	R127	B-1D	R335	A-3F	C149	A-3D	CN105	A-1B
		R128		R336	A-3F	C156	B-1A	CN108	
IC42	A-2A		A-1D					CN111	
IC43	A-3A	R129	A-3E	R337	B-3G	C157	B-1A		
		R130	A-2E	R338	B-3G	C158	B-2A	CN112	
Q11	A-2E	R131	B-1A	R339	B-3G	C159	B-2A	CN113	
Q12	A-2E	R132	B-1A	R340	B-3G	C160	B-2A	CN114	
Q13	A-1E	R133	B-2A	R341	B-2G	C201	B-2C	CN116	A-3B
Q14	B-1A	R134	B-1A	R342	A-2F	C202	A-2C	CN117	A-1E
Q15	B-2A	R135	B-2A	R343	A-2E	C203	B-1B	CN119	A-2G
Q21	A-3B	R136	B-2A	R344	B-2G	C204	B-2B		
Q22	A-3B	R137	B-2A	R345	A-2F	C205	B-2B	K1	B-1F
Q23	A-3B	R138	B-3A	R346	B-2F	C206	B-2B		
Q31	A-2F	R139	B-2A	R347	B-2F	C207	A-2B	LC11	A-3C
Q32	A-2F	R201	B-2B	R348	B-2F	C208	B-2B		
Q33	A-2G	R202	B-2B	R351	B-2G	C209	B-2B	F1	A-1G
		R203	B-2B	R352	B-3G	C210	B-2B	٠.	A-10
Q34	A-2G						B-3B	L21	A-2C
Q35	A-3G	R204	B-2B	R353	B-3G	C211			
Q36	A-2F	R205	B-2B	R401	B-2C	C212	B-3B	L31	A-1G
Q37	B-3G	R206	B-2B	R402	B-2C	C213	B-3B	L32	A-1F
Q41	A-1C	R207	B-2B	R403	B-2C	C214	B-3B	L33	A-2F
Q42	A-3C	R208	B-3B	R404	B-1C	C215	B-3B	L34	A-2E
Q43	A-1C	R209	B-2C	R405	B-1C	C216	B-3B	L35	A-3G
Q44	A-2C	R210	B-2C	R406	B-2C	C217	B-1B	L36	A-3F
Q45	A-2C	R211	B-2B	R407	B-2C	C218	B-2B	L41	A-1B
Q46	A-3C	R212	B-2B	R408	B-2C	C219	B-1C	L42	A-1A
Q51	B-2F	R213	B-1C	R409	B-2C	C220	B-2B	L43	A-1B
Q52	B-2F	R214	B-1B	R410	A-2C	C221	B-1B	L44	A-2B
			B-1B	R411	A-2C	C301	A-1G	L45	A-2B
Q53	B-2E	R215						L45	A-2D
Q54	B-2F	R216	B-1B	R412	A-2B	C302	A-1F		
Q55	B-2G	R217	B-3B	R413	A-2B	C303	B-2F	QA11	B-3E
Q56	B-2G	R218	A-3B	R414	A-2B	C304	B-2F		
Q57	B-2F	R219	B-2B	R415	A-2C	C305	B-2F	TL31	B-3F
Q58	B-2F	R220	B-2B	R416	A-2C	C306	B-2F	TL32	B-2F
		R221	B-1B	R417	A-2B	C307	B-2F	TL33	B-3E
D11	B-2E	R222	B-1B	R418	A-2B	C308	A-1F	TL34	B-1F
D12	B-1A	R223	B-1B	R419	A-2B	C309	A-3F	TL35	A-3G
D13	B-2A	R224	B-1B	R420	A-2C	C310	B-2G	TL36	A-3F
D21	B-1C	R225	B-1B	R421	A-3C	C311	A-1F	TL37	B-2G
D22	A-3B	R226	B-1B	11721	7.00	C312	A-3F	TL41	A-1A
				C101	D OD				
D31	A-2F	R227	B-2A	C101	B-3D	C313	B-2F	TL42	A-2A
D32	A-2E	R228	B-1A	C102	B-3D	C314	B-3G	TL43	A-2A
D33	B-2F	R229	A-1D	C103	B-3D	C315	B-2G	TL44	A-3A
D34	A-2G	R230	A-1D	C104	B-3D	C316	B-2G		
D35	B-2G	R301	B-2F	C105	A-3D	C317	B-3G		
D36	A-2F	R302	B-2F	C106	B-3D	C318	B-3G		
D37	B-3F	R303	B-2F	C107	B-3D	C319	A-2G		
D41	A-1C	R304	B-2F	C108	B-3D	C320	A-3G		
D42	A-2C	R305	B-2F	C109	B-3D	C321	A-2F		
		R306	B-2F	C120	B-3D	C322	A-3F		
R1	A-3G	R307	B-2F	C121	B-3E	C323	B-3G		
R2	A-3A	R308	A-3F	C122	B-3E	C401	B-2C		
R101	B-3D	R309	A-3F	C123	B-3E	C402	B-2C		
		1							
R102	B-3D	R310	B-2G	C124	B-3E	C403	B-2C		
R103	B-3D	R311	B-2G	C125	A-1E	C404	B-2C		
R104	B-3D	R312	B-2F	C126	B-3E	C405	B-2C		
R105	B-3D	R313	B-2E	C127	B-3E	C407	B-1C		
R106	A-3E	R314	A-3F	C128	B-3E	C408	B-2C		
R107	A-3E	R315	A-3F	C129	B-3E	C409	A-1C		
R108	A-3E	R316	B-2F	C130	A-2D	C410	A-1B		
R109	B-3E	R317	B-2F	C131	A-2E	C411	A-1B		
R110	B-3E	R318	B-2F	C132	A-2E	C412	A-1B		
R111	B-2E	R319	B-3G	C133	A-1E	C413	A-2B		
R112	B-2E	R320	B-2G	C134	B-1D	C414	A-1A		
R113	B-2E		B-3G	C135	B-1D				
		R321			- 1	C415	A-1A		
R114	B-1D	R322	B-3G	C136	B-1D	C416	A-2C		
R115	B-1D	R323	B-2G	C137	B-1D	C417	A-2B		
R116	B-1D	R324	B-2G	C138	B-1D	C418	A-2B		
				11100	A-1D	C419	A-2B		
R117	B-2D	R325	A-3G	C139					
R118	B-2D	R326	A-3G	C140	A-2D	C420	A-2B		
			A-3G		A-2D				



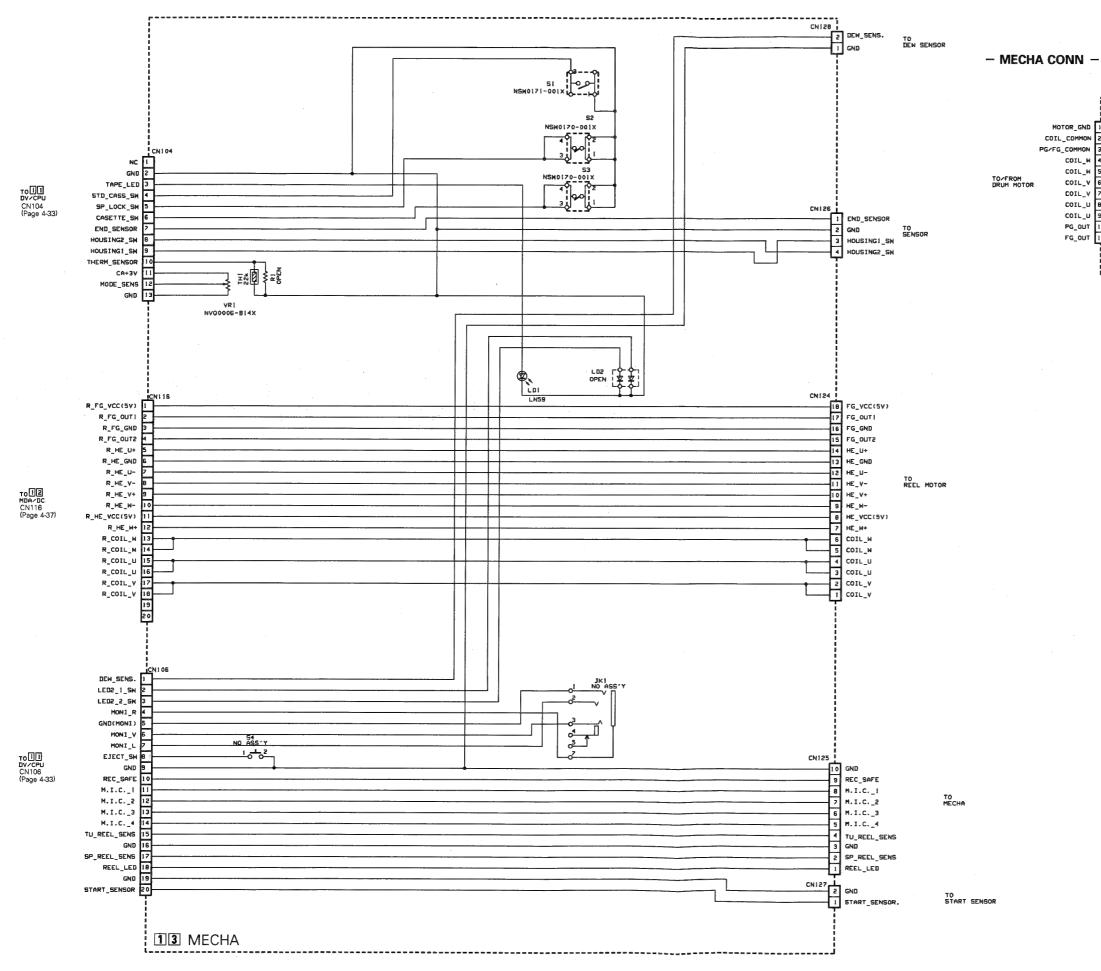


#### - MDA/DC BOARD SCHEMATIC DIAGRAM 12 (3/4) -





#### 4.20 MECHA 13, MECHA CONN 14 BOARD SCHEMATIC DIAGRAMS



4-40

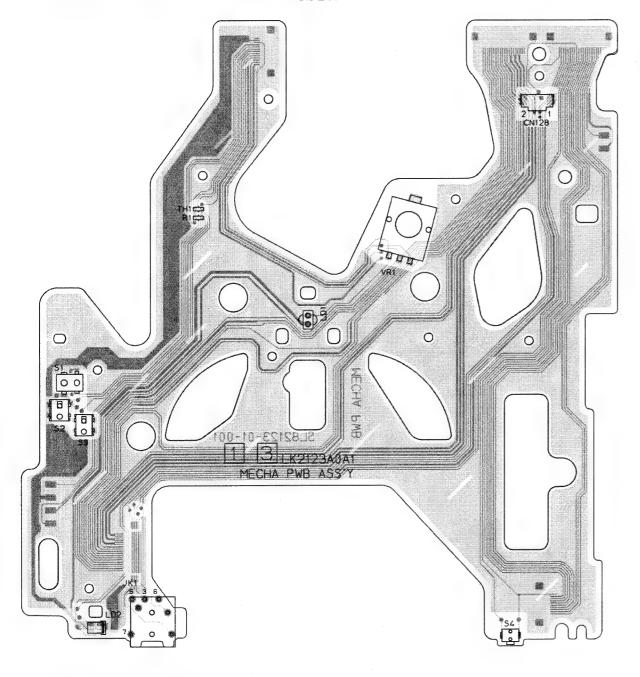
■ MECHA CONN

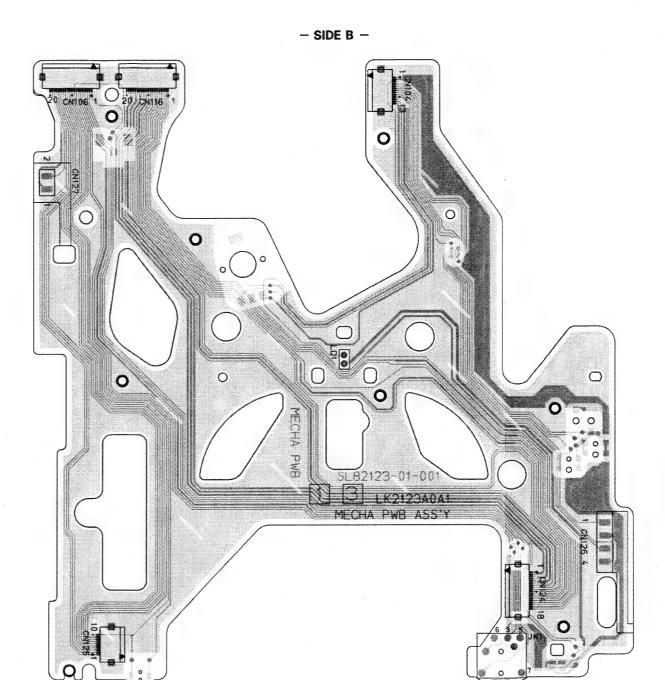
TO [2 MDA/DC CN112 (Page 4-36)

#### 4.21 MECHA, MECHA CONN CIRCUIT BOARDS

- MECHA CIRCUIT BOARD -

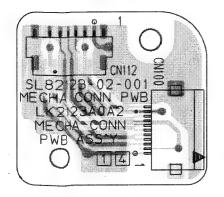
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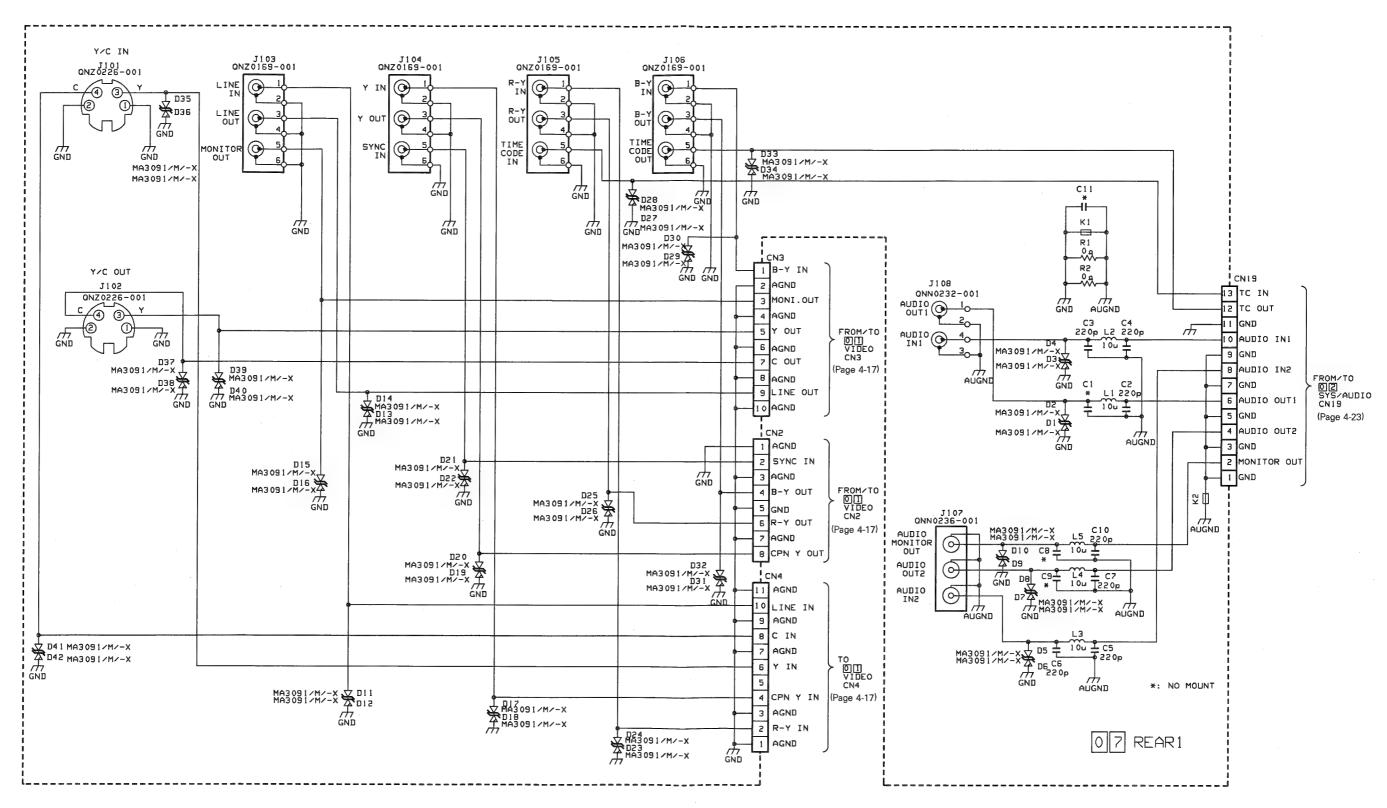




#### - MECHA CONN CIRCUIT BOARD -

- SIDE A -



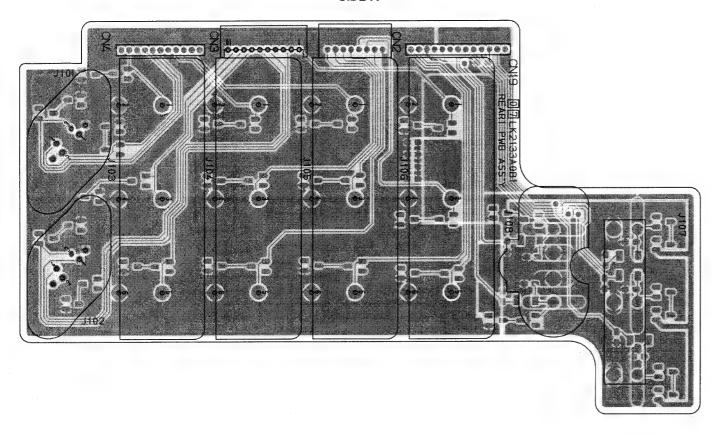


SL92287

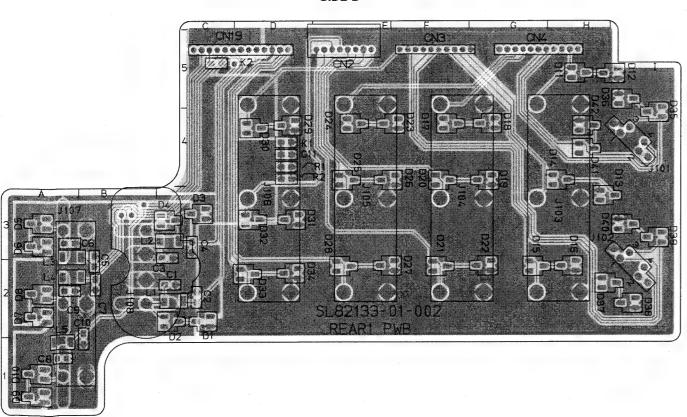
#### 4.23 REAR1, MBLK CIRCUIT BOARDS

#### - RAER1 CIRCUIT BOARD -

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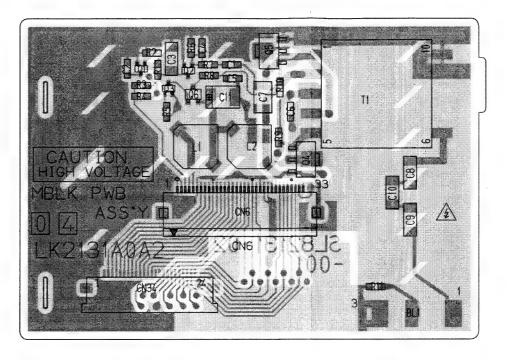


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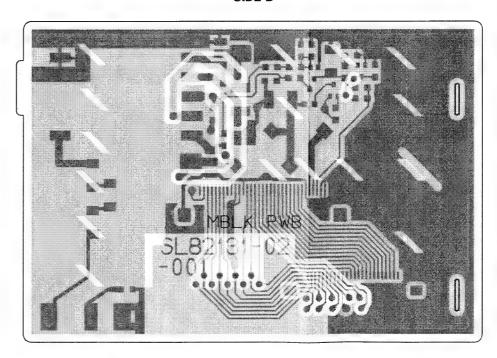


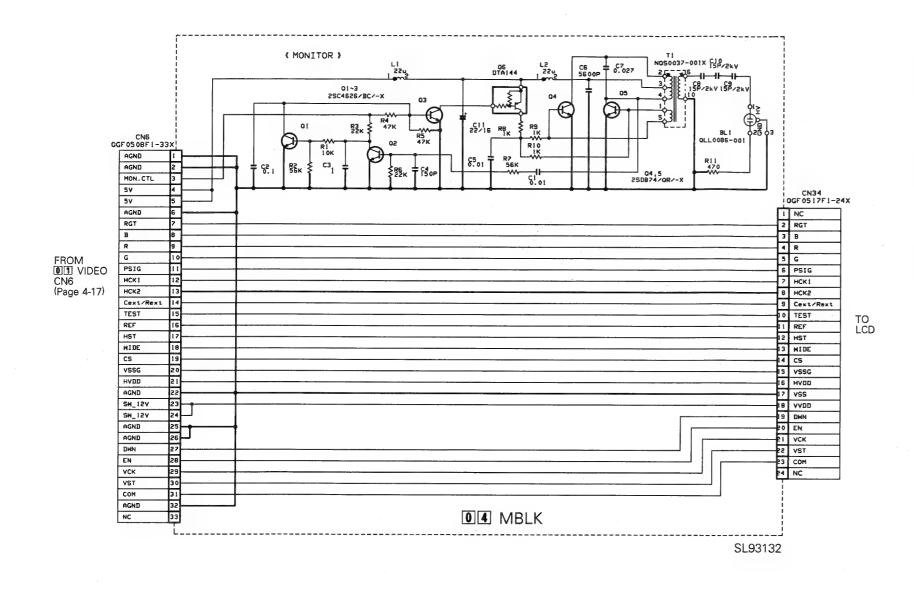
#### - MBLK CIRCUIT BOARD -

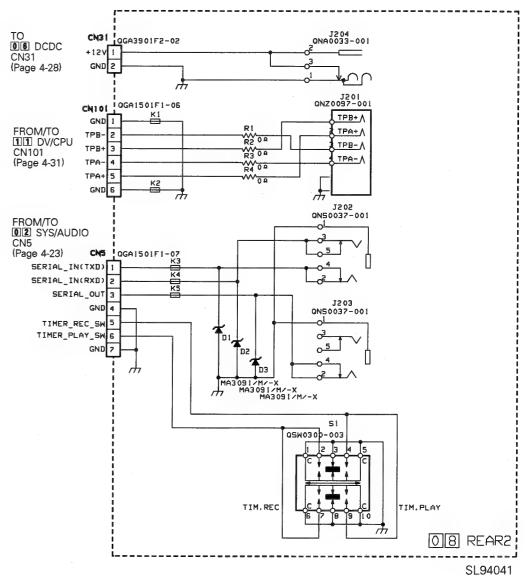
- SIDE A -



- SIDE B -

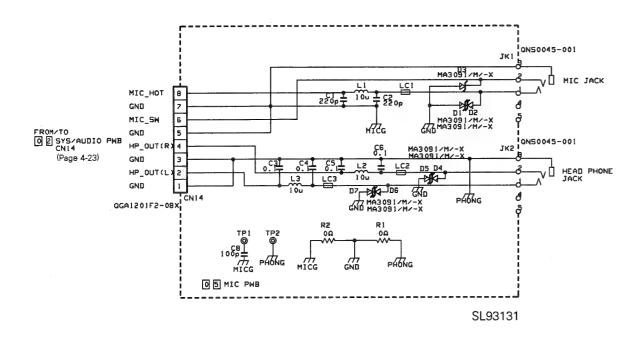




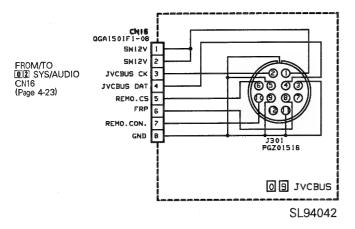


- MIC -

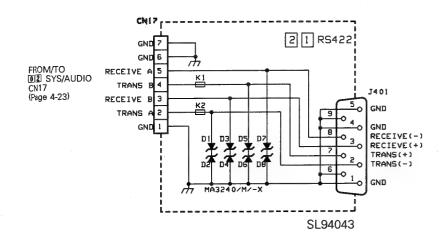
#### - SLOT MOTHER -

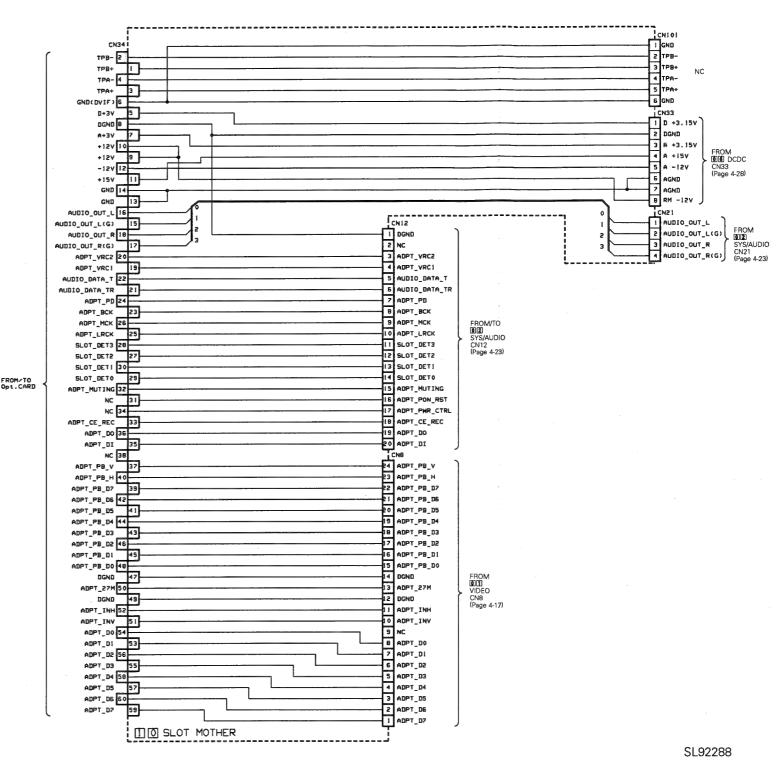


- JVCBUS -



- RS422 -

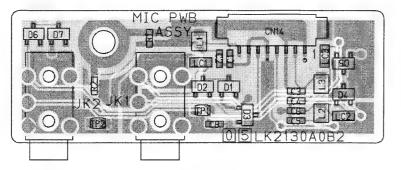




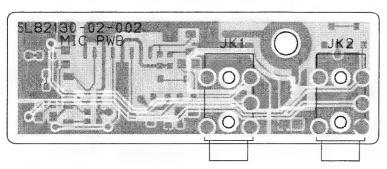
#### 4.26 MIC, REAR2, JVCBUS, SLOT MOTHER, RS422 CIRCUIT BOARDS

- MIC -

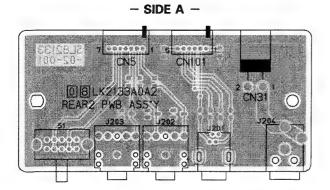
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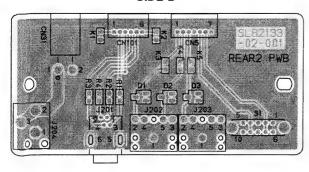
- SIDE B -



- REAR2 -

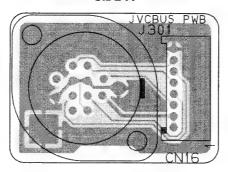


- SIDE B -

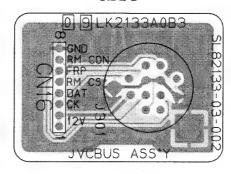


- JVCBUS -

- SIDE A -

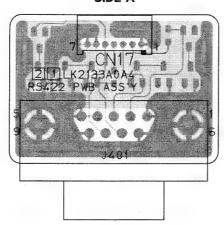


- SIDE B -

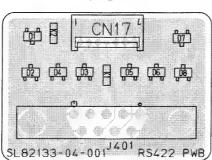


- RS422 -

- SIDE A -

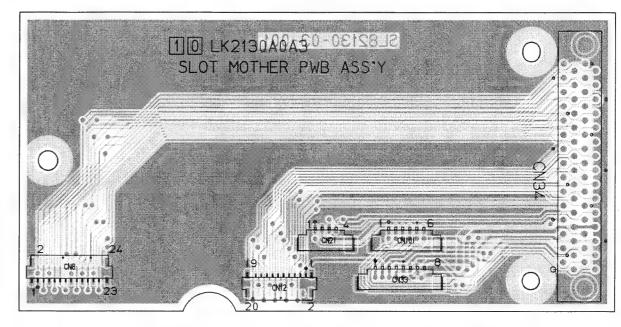


- SIDE B -

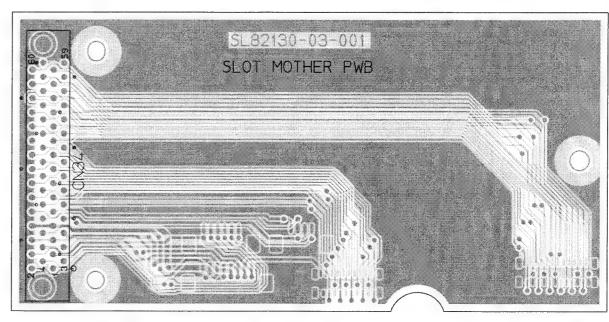


- SLOT MOTHER -

- SIDE A -

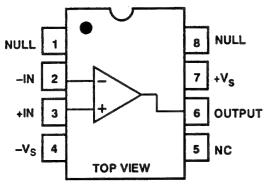


- SIDE B -



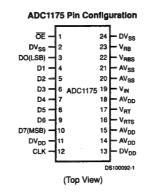
#### 4.27 BLOCK DIAGRAMS of IC'S

#### ■ AD817AR-X [ANALOG DEVICES ] (Hi-Speed Low Power Op.Amp)

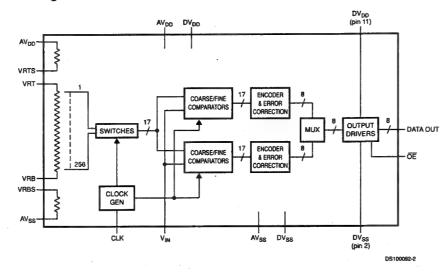


NC = NOT CONNECTED

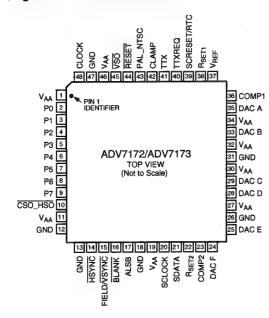
# ■ ADC1175CIJM-X [NATIONAL SEMICONDUCTOR] (8 Bit,20MHz,60mW A/D Converter)



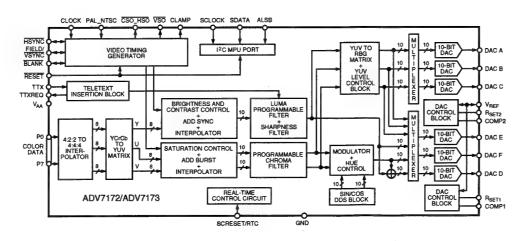
#### **Block Diagram**



#### ADV7172KST [ANALOG DEVICES ] (Digital PAL/NTSC Video Encoder with Six DACs(10 Bits))



#### **FUNCTIONAL BLOCK DIAGRAM**

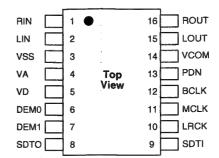


4-47

4-47

#### ■ AK4552VT-X [ASAHI KASEI] (Degital Audio A/D & D/A Converter)

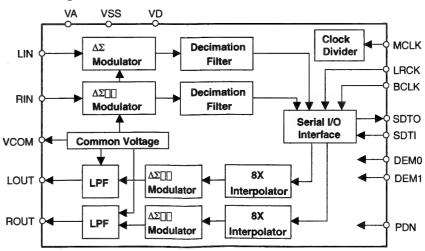
#### Pin Layout



#### Pin/Function

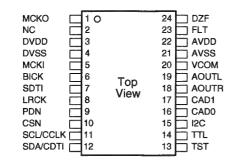
No.	Pin Name	1/0	Function			
1	RIN	ı	Rch Analog Input Pin			
2	LIN	ı	Lch Analog Input Pin			
3	VSS	-	Ground Pin			
4	VA		Analog Power Supply Pin			
5	VD	•	Digital Power Supply Pin			
6	DEM0	1	De-emphasis Control Pin			
7	DEM1	I	De-emphasis Control Pin			
8	SDTO	0	Audio Serial Data Output Pin			
9	SDTI		Audio Serial Data Input Pin			
10	LRCK		Input/Output Channel Clock Pin			
11	MCLK		Master Clock Input Pin			
12	BCLK	I	Audio Serial Data Clock Pin			
10	DDM		Power-Down & Reset Mode Pin			
13	PDN	'	"L": Power-down and Reset, "H": Normal operation			
14	VCOM ·	0	Common Voltage Output Pin, 0.45 x VA			
15	LOUT	0	Lch Analog Output Pin			
16	ROUT	0	Rch Analog Output Pin			

#### **Block Diagram**



#### ■ AK4363VF-X [ASAHI KASEI] (Stereo CMOS D/A Converter and Phase Locked Loop)

#### Pin Layout

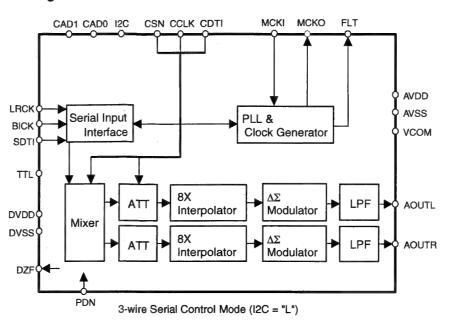


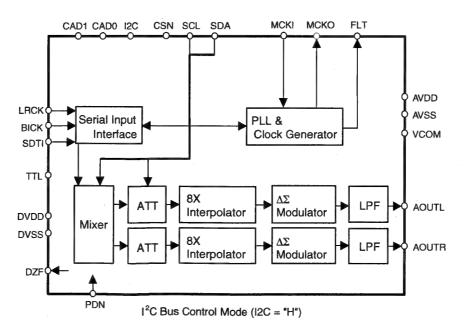
#### Pin/Function

No.	Pin Name	1/0	Description						
1	MCKO	0	Master Clock Output Pin						
			EXT = "0" : System clock is output from PLL circuit (PLL mode),						
			EXT = "1" : Same frequency as MCKI is output (External mode)						
2	NC	- I	No Connect						
			Nothing should be connected externally to this pin.						
3	DVDD	-	Digital Power Supply Pin, +2.7- +5.5V						
4	DVSS	-	Digital Ground Pin, 0V						
5	MCKI	I System Clock Input Pin							
			EXT = "0": 27MHz (PLL mode), EXT = "1": Other frequency (External mode)						
6	BICK	I	Serial Data Clock Pin						
7	SDTI	1	Serial Data Input Pin						
8	LRCK		Serial Input Channel Clock Pin						
9	PDN	ı	Power-Down Pin						
			When "L", the circuit is in power-down mode.						
			The AK4363 should always be reset upon power-up.						
10	CSN	1	Chip Select Pin at 3-wire Serial control mode						
			This pin should be connected to DVDD at I ² C Bus control mode.						
11	SCL	1	Control Clock Pin at I ² C bus control mode						
	CCLK		Control Clock Pin at 3-wire serial control mode						
12	SDA	1/0	Control Data Input/Output Pin at I ² C Bus control mode						
	CDTI		Control Data Input Pin at 3-wire serial control mode						
13	TST		Test pin						
			This pin should be connected to DVSS.						
14 TTL I Digital Input Level Select Pin		_							
			"L" : CMOS, "H" : TTL						
15	I2C	1	Control Mode Select Pin						
			"L" : 3-wire Serial, "H" : I ² C Bus						
16	CAD0	I	Chip Address Select 0 Pin						
17	CAD1		Chip Address Select 1 Pin						
18	AOUTR	0	Rch Analog Output Pin						
19	AOUTL	0	Lch Analog Output Pin						
20	VCOM	0	Common Voltage Output Pin, AVDD/2						
		1 1	Used for analog common voltage.						
			Large external capacitor is used to reduce power supply noise.						
21	AVSS	<u> </u>	Analog Ground Pin						
22	AVDD	-	Analog Power Supply Pin						
23	FLT	0	Output Pin for Loop Filter of PLL Circuit						
			This pin should be connected to AVSS with one resister and one capacitor in series.						
			( See"SYSTEM DESIGN".)						
24	DZF	0	Zero Input Detect Pin						
			When SDTI follows a total 8192 LRCK cycles with "0" input data or RSTN = "0",						
			this pin goes to "H".						

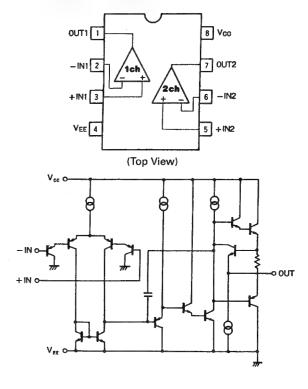
Note: No input pins should be left floating.

#### **Block Diagram**

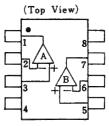




#### ■ BA10358F-XE [ROHM] (Dual Ground Sense Op.Amp)



# ■ BA10393F-XE [ROHM ] (Dual Comparator)

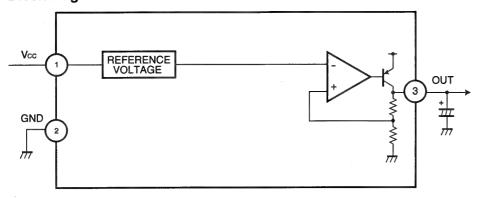


- 1. A OUTPUT
  2. A-INPUT
  3. A+INPUT

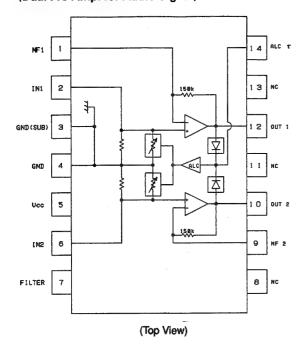
- 4. V⁻
  5. B+INPUT
  6. B-INPUT
  7. B OUTPUT
  8. V⁺

## ■ BA033FP-X [ROHM] (Low Saturation Voltage Type 3-pin Regulator (3.3V))

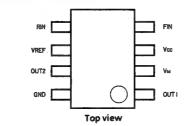
#### **Block diagram**

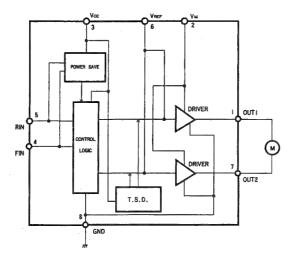


#### ■ BA3314F-X [ROHM ] (Dual Pre-Amp. for Audio Signal)

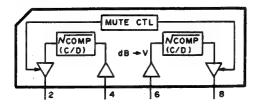


#### ■ BA6417F-X [ROHM ] (Reversible Motor Driver)

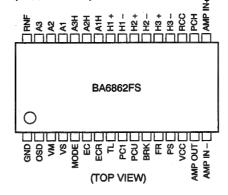




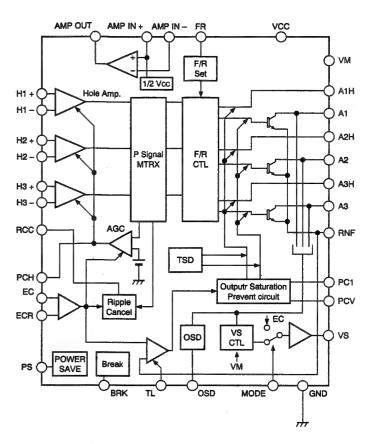
# ■ BA6138F-X [ROHM ] (1/2 square-law compression amplifiers)



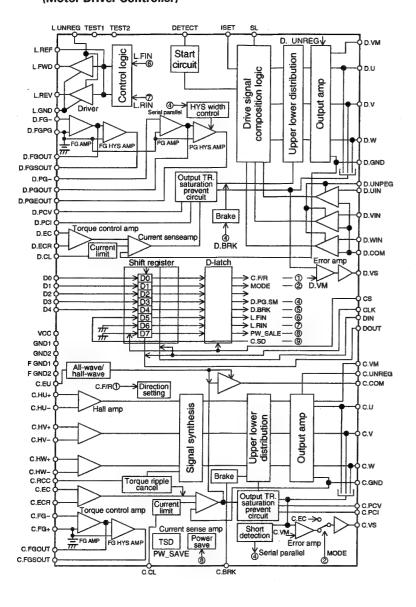
#### ■ BA6862FS-X [ROHM ] (Motor Driver)



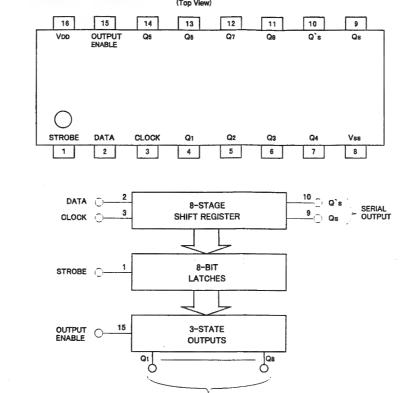
Pin No.	Symbol	Function					
1	GND	GND					
2	OSD	Output detect for short circuit					
3	VM	Power source for motor drive					
4	VS	Control for motor drive					
5	MODE	Current/Voltage switching					
6	EC	Torque control					
7	ECR	Torque reference					
8	TL	Torque limited					
9	PCI	Output saturation prevent level (low level)					
10	PCV	Output saturation prevent level (high level)					
11	BRK	Break input H: Break L: Movement					
12	FR	Foward/Reverse CTL input					
13	PS	Power save H: Stand-by L: Movement					
14	VCC						
15	AMP OUT	Amplifire output					
16	AMP IN -	Amplifire input (-)					
17	AMP IN +	Amplifire input (+)					
18	PCH	Hole amp, AGC phase compareter					
19	RCC	Ripple cancel					
20	H3 -	Hole signal input					
21	H3 +	Hole signal input					
22	H2 -	Hole signal input					
23	H2+	Hole signal input					
24	H1 -	Hole signal input					
25	H1 +	Hole signal input					
26	A1H	Pre motor drive output					
27	A2H	Pre motor drive output					
28	A3H	Pre motor drive output					
29	A1	Motor drive output					
30	A2	Motor drive output					
31	A3	Motor drive output					
32	RNF	GND for motor drive					



#### ■ BA6865KV [ROHM ] (Motor Driver Controller)

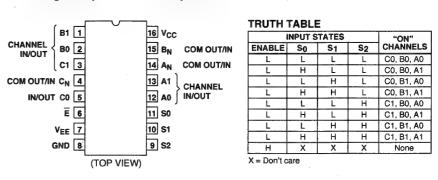


## ■ BU4094BCFV-X [ROHM] (8-Stage Shift/Store Register)

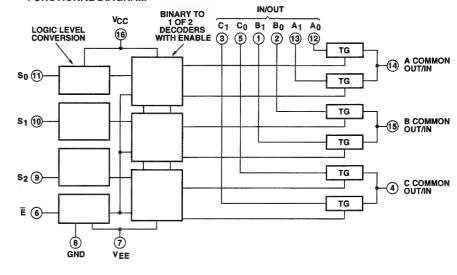


PARALLEL OUTPUT

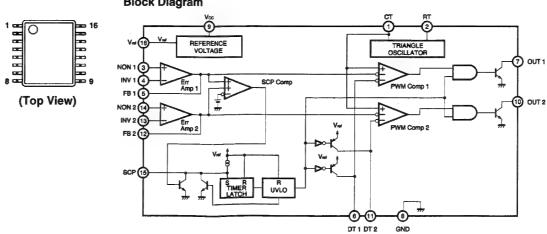
#### CD74HC4053PW-X [TEXAS INSTRUMENTS ] (Analog Multiplexers/Demultiplexers)



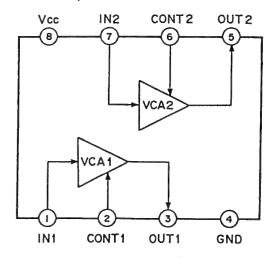
#### **FUNCTIONAL DIAGRAM**



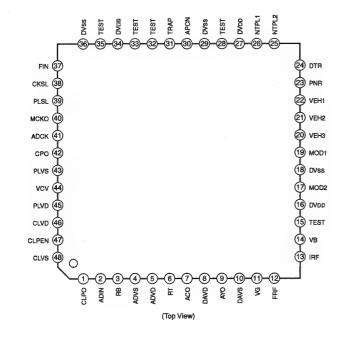
# ■ BA9743AFV-X [ROHM ] (2-channel Switching Regulator Controller) Block Diagram

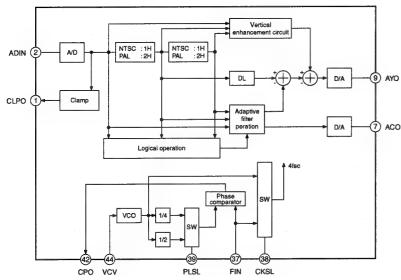


#### ■ CXA1211M-X [SONY ] (Electric Volume)



#### ■ CXD2064Q [SONY ] (DIGITAL COM FILTER (NTSC/PAL))



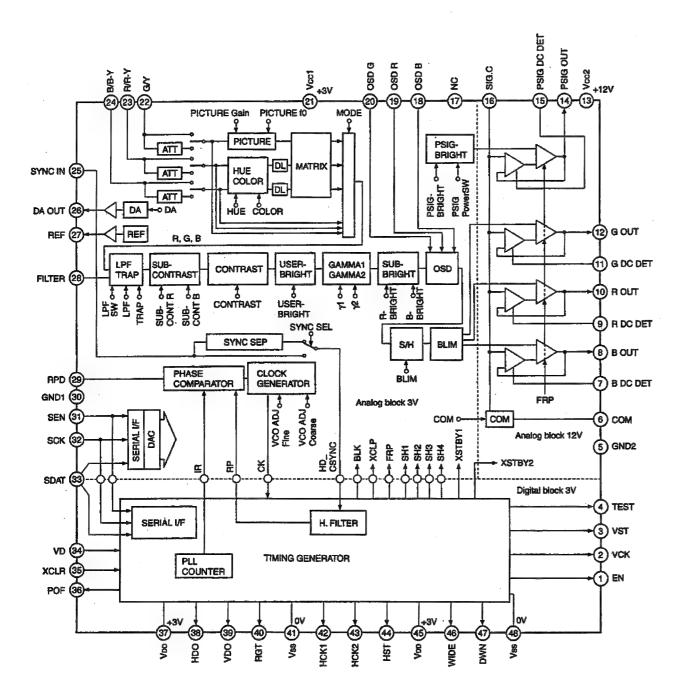


Pin No.	Symbol	1/0	Description					
1	CLPO	٥	Internal clamp circuit current output. Connect to ADIN when using the internal clamp. Leave this pin open when not in use.					
2	ADIN	ı	Comb filter analog input (A/D converter input).					
3	RB	0	Reference bottom voltage for the A/D converter (0.52V typ.).					
4	ADVS	-	A/D converter analog ground,					
5	ADVD	-	A/D converter analog power supply. (5.0V)					
6	RT	0	Reference top voltage for the A/D converter (2.60V typ.).					
7	ACO	0	Analog chroma signal output.  Output can be obtained by connecting a resistor between this pin and the analog ground.					
8	DAVD	<u> </u>	D/A converter analog power supply. (5.0V)					
9	AYO	٥	Analog luminance signal output.  Output can be obtained by connecting a resistor between this pin and the analog ground.					
10	DAVS	-	D/A converter analog ground.					
11	VG	0	D/A converter related pin. Connect a capacitor of approximately $0.1 \mu F$ between this pin and the analog power supply (DAVD).					
12	VRF	1	Sets the full-scale value of the Y and C-channel D/A converter output signal.					
13	IRF	0	Connect a resistor of "16R" (16 times the output resistor "R" of the D/A converter)					
14	VB	0	D/A converter related pin. Connect to the analog ground (DAVS) via a capacitor of approximately $0.1\mu F$ .					
15	TEST	ı	Test pin. Normally fix to "Low".					
16	DVoo	_	Digital power supply. (5.0V)					
18	DVss	_	Digital ground.					
17	MOD2	ı	Y/C separation mode setting. MOD2 MOD1 L L Adaptive processing mode					
19	MOD1	1	H L BPF separation mode H H Through mode					
20	VEH3	1	Vertical enhancement setting.					
21	VEH2		Can be set in 8 stages from VEH3 VEH2 VEH1: LLL (off) to HHH (max.)					
22	VEH1	<u> </u>						
23	PNR	1	L: NTSC/H: PAL, M-PAL, N-PAL					
24	DTR	1	Normally fix to "Low".					
25	NTPL2	-	NTSC/PAL/M-PAL/N-PAL mode setting. NTPL2 NTPL1 L L NTSC					
26	NTPL1	ı	L H PAL H L M-PAL H H N-PAL					
27	DVop		Digital power supply. (5.0V)					

Pin No.	Symbol	1/0	Description						
28	TEST	1	Fest pin. Normally fix to "Low".						
29	DVss	_	Digital ground.						
30	APCN	1	Horizontal aperture correction circuit setting. Low: Off, High: On.						
31	TRAP	ı	Trap filter setting. Low: Off, High: On.						
32	TEST	ı	Test pin. Normally open or fix to "Low".						
33	TEST	ı	Test pin. Normally open or fix to "Low".						
34	DVpp	_	Digital power supply. (5.0V)						
35	TEST	1	Test pin. Normally open or fix to "Low".						
36	DVss	_	Digital ground.						
37	FIN	ı	Clock input. Input the burst-locked fsc (2fsc) when using the internal PLL. input the burst-locked 4fsc when not using the internal PLL.						
38	CKSL	ı	PLL control.  Low: The internal PLL is not used. The clock (41sc) which is input to FIN is supplied internally.  High: The internal PLL is used. VCO oscillation output 41sc clock is supplied internally.						
39	PLSL	ı	Selects the clock input to FIN. Low: 1sc, High: 2lsc. When inputting 4lsc to FIN (when not using the internal PLL), this pin may be set to either "Low" or "High".						
40	мско	0	Clock (4fsc) output.						
41	ADCK	ı	Clock input for A/D converter. Normally connect to MCKO.						
42	CPO	0	PLL phase comparator output. Leave open when not using the PLL.						
43	PLVS	_	PLL analog ground.						
44	VCV	1	VCO control voltage input. Connect to PLVS when not using the PLL.						
45	PLVD	_	PLL analog power supply. (5.0V)						
46	CLVD	-	Clamp D/A converter analog power supply. (5.0V)						
47	CLPEN	ı	Clamp circuit enable pin. Low: Clamp on, High: Clamp off.						
48	CLVS	_	Clamp D/A converter analog ground.						

# ■ CXM3004R [SONY ] (Driver/Timing Generator for Color LCD Panels)

#### **Block Diagram**

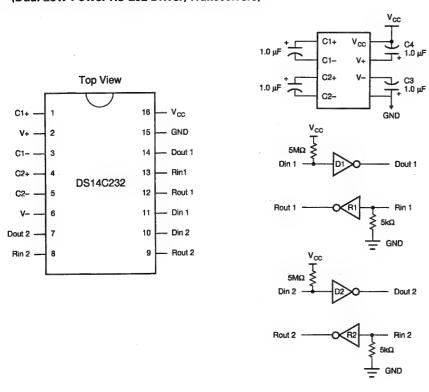


#### Pin Description

Pin No.	Symbol	1/0	Description	Input pin fo open statu	
1	EN	0	EN pulse output		
2	VCK	0	V clock pulse output		
3	VST	0	V start pulse output		
4	TEST	-	Test (Leave this pin open.)		
5	GND2	_	Analog 12.0V GND		
6	COM	0	Common pad voltage output for LCD panel		
7	B DC DET	0	B signal DC voltage feedback circuit capacitor connection		
8	B OUT	0	B signal output		
9	R DC DET	0	R signal DC voltage feedback circuit capacitor connection		
10	R OUT	0	R signal output		
11	G DC DET	0	G signal DC voltage feedback circuit capacitor connection		
12	G OUT	0	G signal output		
13	Vcc2	-	Analog 12.0V power supply		
14	PSIG OUT	0	PSIG output		
15	PSIG DC DET	0	PSIG signal DC voltage feedback circuit capacitor connection		
16	SIG.C	Ι	R, G, B and PSIG output DC voltage adjustment		
17	NC	_			
18	OSD B	1	OSD B input		
19	OSD R	1	OSD R input		
20	OSD G	1	OSD G input		
21	Vcc1	-	Analog 3.0V power supply		
22	G/Y	1	G/Y signal input		
23	R/R-Y	I R/R-Y signal input			
24	B/B-Y	1	B/B-Y signal input		
25	SYNC IN	ı	Sync separation circuit input/sync signal input		
26	DA OUT	0	DAC output		
27	REF	0	Level shifter circuit REF voltage output for LCD panel		
28	FILTER	0	Internal filter circuit f0 adjusting resistor connection		
29	RPD	0	Phase comparator output		
30	GND1	_	Analog 3.0V GND		
31	SEN	1	Serial load input		
32	SCK	ı	Serial clock input		
33	SDAT	1.	Serial data input		
34	VD .	ı	Vertical sync signal input	Pull-down	
35	XCLR	1	Power-on reset capacitor connection (timing output block)		
36	POF	0	LCD panel power supply on/off (Leave this pin open when not using this function.)		

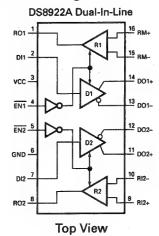
Pin No.	Symbol	1/0	Description	Input pin for open status		
37	VDD	_	Digital 3.0V power supply			
38	HDO	0	HDO pulse output			
39	VDO	0	VDO pulse output			
40	RGT	0	Right/left inversion switching signal output			
41	Vss	<b> </b> -	Digital 3.0V GND			
42	HCK1	0	H clock pulse 1 output			
43	HCK2	0	H clock pulse 2 output			
44	HST	0	H start puise output			
45	VDD	-	Digital 3.0V power supply			
46	WIDE	0	WIDE pulse output			
47	DWN	0	O Up/down Inversion switching signal output			
48	Vss	_	Digital 3.0V GND			

# ■ DS14C232CM-X [NATIONAL SEMICONDUCTOR ] (Dual Low-Power RS-232 Driver/Transceivers)



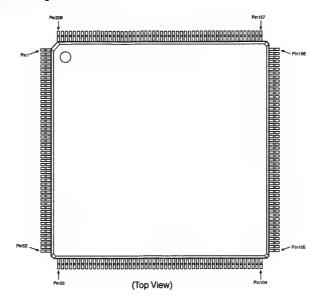
# ■ DS8922M-X [NATIONAL SEMICONDUCTOR ] (RS-422 Dual Differential Line Driver and Receiver Pairs)

#### **Connection Diagrams**

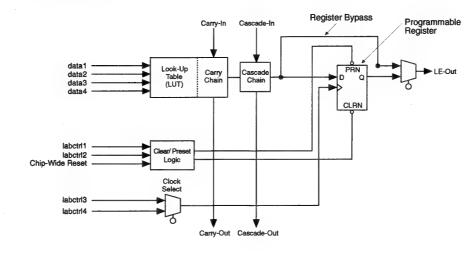


EN1 EN2 RO1 RO2 DO1 DQ2 0 ACTIVE ACTIVE ACTIVE 0 1 0 HI-Z ACTIVE HI-Z ACTIVE ACTIVE HI-Z HI-Z ACTIVE HI-Z HI-Z HI-Z 1 HI-Z

#### ■ EPF6016AQC208-3 [ALTERA ] (Programmable Logic Device)



#### **Logic Element**

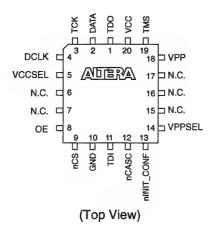


#### **Pin Description**

Pin Name(1)	208-Pin PQFP EPF6016A
MSEL(2)	46
nSTATUS(2)	80
nCONFIG(2)	77
DCLK(2)	184
CONF_DONE(2)	150
INIT_DONE(2)	135
nCE(2)	6
nCEO(4)	102
nWS(4)	169
nRS(4)	174
nCS(4)	159
CS(4)	162
RDTnBUSY(4)	140
CLKUSR	144
DATA(2),(5)	181
TDI(6)	19
TDO(6)	107
TCK	47
TMS	38
Dedicated Inputs	24, 28, 128, 132
DEV_CLRn(3)	187
DEV_OE(3)	178
VCCINT	8, 26, 44, 111, 130, 148
VCCIO	9, 27, 45, 63, 79, 96, 112, 131, 149, 166, 183, 200
GND	7, 25, 43, 62, 78, 95, 110, 129, 147, 165, 182, 199
No connect (N.C.)	-
Total user I/O pins(9)	171

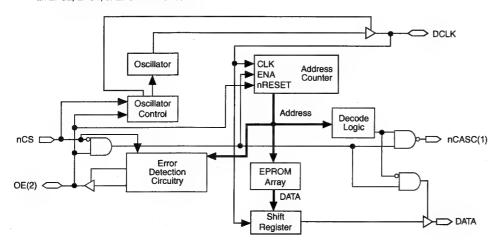
■ EPC2LC20-019 [ALTERA ]
(Configuration Devices (1,695,680 x 1bit Device with 5.0V or 3.3V Operation))

■ EPC2LC20-020 [ALTERA ] (Refer to EPC2LC20-019.)

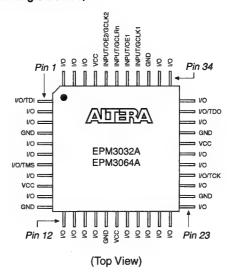


#### Block Diagram

ACEX 1K, APEX 20K, FLEX 10K, & FLEX 6000 Device Configuration Using an EPC2, EPC1, or EPC1441 Device



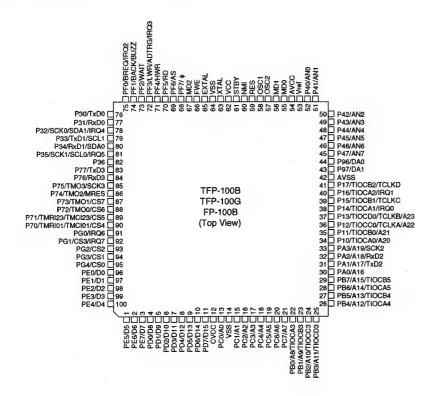
#### ■ EPM3064ATC44 [ALTERA ] (Programmable Logic Device)



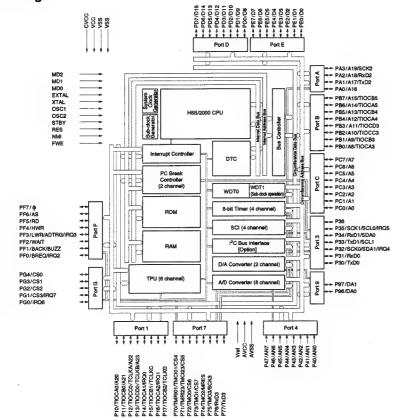
#### Terminal explanation

	1		
No.	Terminal Symbols	I/O	Terminal Explanation
1	TDI		WRITE FOR PLD
2	DATA_TR	I/O	
3	AODATA0	0	Output data for analog (for RCA)
4	GND	GND	
5	AO_MUTE (H)	0	Mute control for analog output H:MUTE
6	SYS_MUTE (H)	1	Mute control by SYSCON
7	TMS	1	Write for PLD
8	MSD_MUTE (H)	1	Mute control by MSD microcomputor
9	VCC	VCC	
10	AUDIN_MUTE (H)	Ī	Mute control for audio output data
11	GND	GND	
12	AIDATA1	0	Input data for CH-3/4
13	AODATA1	1	Output data for CH-3/4
14	SDTI	0	Output data for audio XLR
15	DILRCK	0	LR clock generated from MCK. For 48K mode in recording
16	GND	GND	
17	VCC	VCC	
18	DIBCK	0	B clock generated from MCK. For 48K mode in recording
19	PLLMCK	1	Input MCK locked PLL
20	AUDMCK	0	Switch of MCK of locked or unlocked
21	OPDAT1	- 1	Input audio data from delay option (RCA)
22	OPDAT0	ı	Input audio data from delay option (XLR)
23	AUD48K (H)	ı	Selection for locked 48K mode
24	GND	GND	
25	ADPT_DIR_AUDIO	I	Control I/O for Net adapter (DIR)
26	TCK	I	Write for PLD
27	ADPT_OE_AUDIO	1	Control I/O for Net adapter (OE)
28	ADPT_PB (L)	1	Mode control for Net adapter L: PB / H: EE
29	VCC	VCC	
30	GND	GND	
31	AIN_DATO	0	Audio input data for CH-1/2
32	TDO	Ī	Write for PLD
33	SDTO	i	AD convertor output
34	SEL	Ö	Outout MCK for 48K mode (27MHz)
35	SYS_BCK	Ť	Audio system bit clock
36	GND	GND	
37	AU27M		Input 27MHz for PLL lock. For 48K mode in recording
38	PLD_CTL0	i_	PLD control
39	SYS LRCK	<del>i</del>	Audio LR clock
40	AIMCK	i	Audio master clock
41	VCC	VCC	
42	AQDAT0	1	Audio output data
43	PLD_CTL1	<del></del>	PLD control (RESERVE)
44	AUDIO_DAT_T	i	Input data from XLR option
<u> </u>		<u> </u>	I when any water taken to about

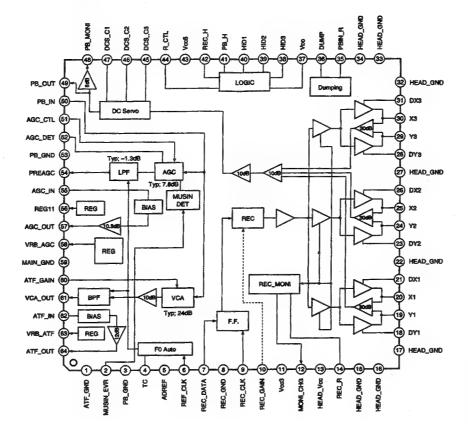
#### ■ HD64F2238RFA13 [HITACHI ] (16-Bit Single Chip Micro Computer)



#### Block diagram



#### ■ JCY0132 [SONY ] (REC/PLAY amplifier for digital VCR) Block diagram

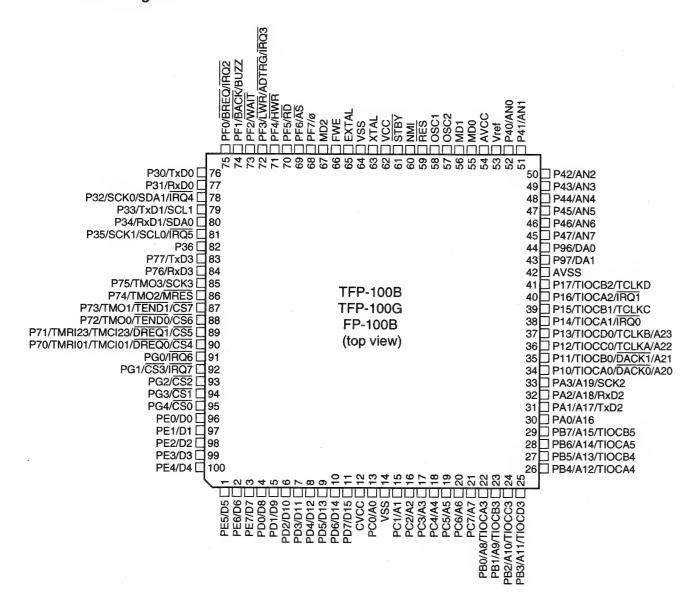


#### Pin description

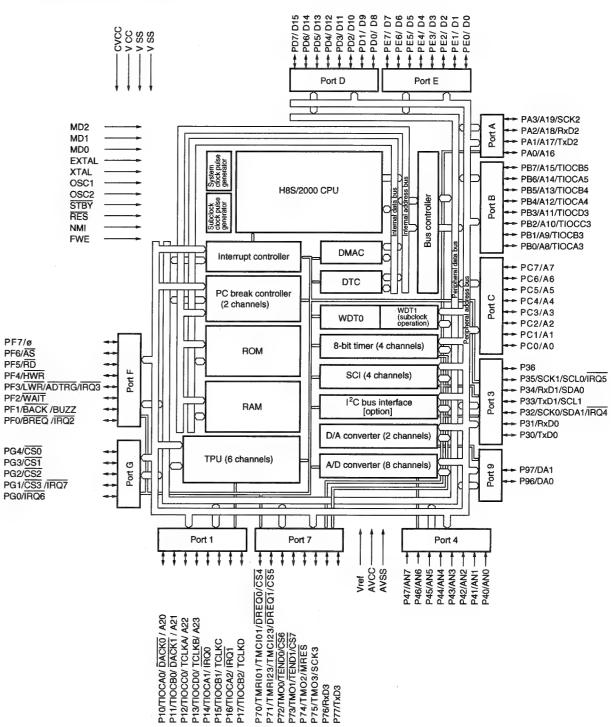
Pin	Pin	Description	Pin	Pin	Description
No.	name	•	No.	name DUMP	HEAD resonance control terminal at
1	ATF_GND	Ground terminal	36	DOMP	
2	MUSIN_EVR		07	VDD	playback mode
_	DD OND	level adjustment of AGC circuit	37		VDD power supply terminal
3	PB_GND	Ground terminal	38	HID3	Mode control terminal, channel select
4	TC	Time constant terminal for F0 auto			of playback amplifier and control of
-	ADREF	PLL circuit	20	HID2	recording current measurement circuit  Mode control terminal, channel select
6		ADREF power supply terminal ADREF	39	I HIDZ	
6	REF_CLK	Reference clock input terminal for F0 auto PLL	40	HID1	of recording/playback amplifier  Mode control terminal, channel select
7	REC_DATA	REC DATA input terminal	40	וטוחן	of recording/playback amplifier
8		Ground terminal	41	PB_H	Mode control terminal, ON/OFF of
9	REC_GND		41	PB_H	playback circuit
	REC_CLK	REC CLOCK input terminal	42	REC_H	Mode control terminal, ON/OFF of
10	REC_GAIN Vcc3	Adjusting terminal for recoding current	42	HEC_H	recording circuit
12		Vcc3 power supply terminal	43	Vcc5	Vcc5 power supply terminal
12	MONI_CHG	Monitor terminal for recording current	44		Mode control terminal, ON/OFF of
		output level : REC mode, Quick charge	44	R_CTL	' '
		pulse input terminal of TC terminal : PB mode	45	DCS C3	recording current output  Time constant terminal for
13	HEAD Vcc	Power supply terminal of R/P amplifier	45	DCS_C3	DC servo circuit
13	HEAD_VCC	section	46	DCS C2	Time constant terminal for
14	DEC D		40	DCS_CZ	DC serve circuit
14	REC_R	External resistor connecting terminal for	1-	DOC 04	Time constant terminal for DC
45	LIEAD CAID	recording current output level monitor	47	DCS_C1	servo circuit
15	HEAD_GND	Ground terminal Ground terminal	48	PB MONI	PB amplifier monitor terminal
16	HEAD_GND		48	PB_MONI	PB amplifier output terminal
17	HEAD_GND DY1	Ground terminal	50	PB_IN	PB MAIN/ATF input terminal
19	Y1	Damping resistor connecting terminal	51	AGC_CTL	AGC control terminal for MAIN family
20	X1	HEAD terminal	52		
	DX1	HEAD terminal	53	AGC_DET PB GND	Time constant terminal for MAIN family Ground terminal
21		Damping resistor connecting terminal	54	PREAGC	AGC+LPF output terminal for
23	HEAD_GND DY2	Ground terminal	54	PREAGC	· ·
		Damping resistor connecting terminal	55	400 11	MAIN family
24 25	Y2 X2	HEAD terminal	55	AGC_IN	10.3dB amplifier input terminalfor
26	DX2	HEAD terminal	56	REG11	MAIN family
27		Damping resistor connecting terminal Ground terminal	57		Regulator 1.1V output terminal
28	HEAD_GND DY3	Damping resistor connecting terminal	58	VRB_AGC	Output terminal for MAIN family  Bottom reference voltage output
29	Y3	HEAD terminal	36	VRB_AGC	terminal for A/D converter of MAIN family
30	X3	HEAD terminal	59	MAIN GND	Ground terminal
31	DX3	Damping resistor connecting terminal	60	ATF_GAIN	VCA control terminal for ATF family
32	HEAD GND	Ground terminal	61	VCA_OUT	VCA+BPF output terminal for ATF family
33	HEAD GND	Ground terminal	62	ATF IN	12dB amplifier input terminal for
34	HEAD GND	Ground terminal	02	AIF_IN	ATF family
35			63	VDB ATE	<del></del>
30	PBIN_R	External resistor connecting terminal	03	VRB_ATF	Bottom reference voltage output
		for playback reference current	64	ATE OUT	terminal for A/D converter of ATF family
			04	ATF_OUT	Output terminal for ATF family

## HD64F2239FA16 [HITACHI ] (16-Bit Single-Chip Microcomputer)

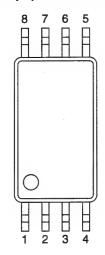
#### **Pin Arrangements**



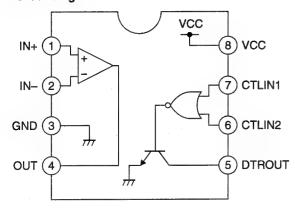
#### **Internal Block Diagrams**



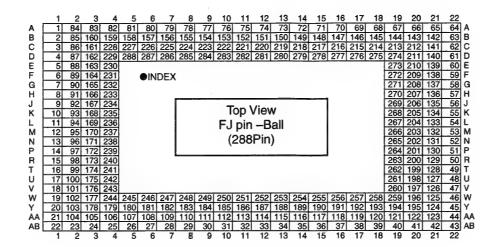
# ■ JCY0136-X [ROHM ] (High frequency operational amplifier for DVC)



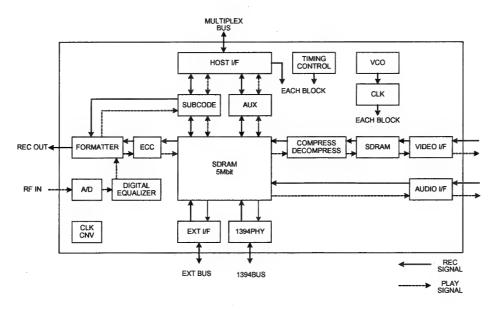
#### **Block diagram**



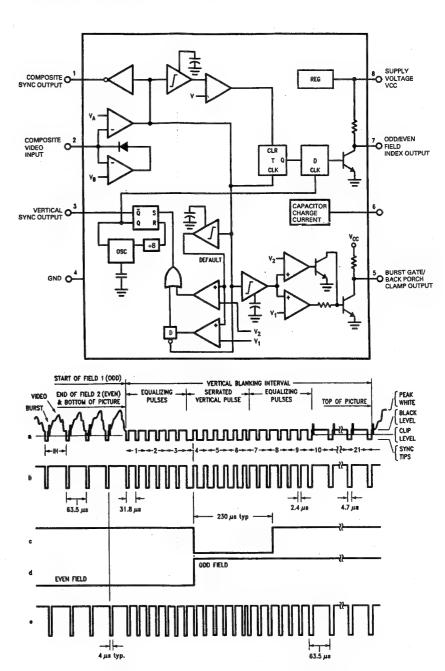
# JCY0152 [JVC] (DVC LSI)



#### **Block Diagram**

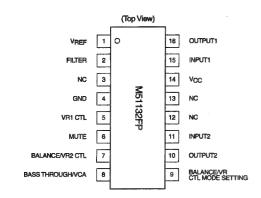


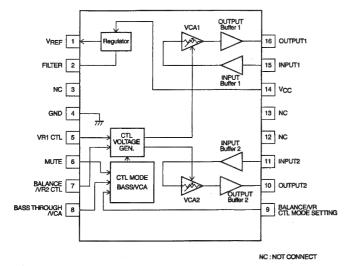
## ■ LM1881M-X [National Semiconductor ] (Video Sync Separator)



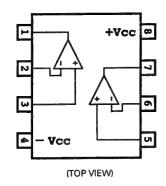
(a) Composite Video; (b) Composite Sync; (c) Vertical Output Pulse; (d) Odd/Even Field Index; (e) Burst Gate/Back Porch Clamp

# ■ M51132FP-X [MITSUBISHI] (2 Channel Electrical VR/Balance for Audio Level)

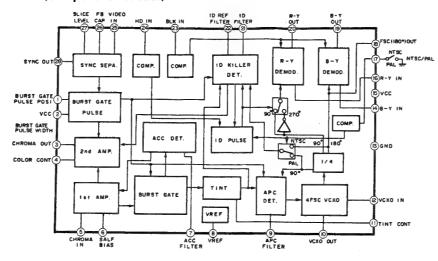




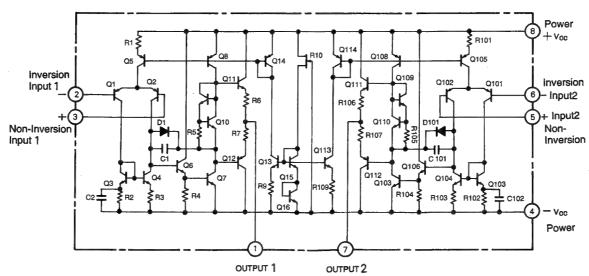
#### ■ M5216FP-X [MITSUBISHI ] (Dual Op Amp.)

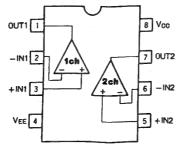


# M51271FP-X [MITSUBISHI] (Component Decoder)

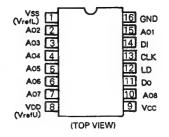


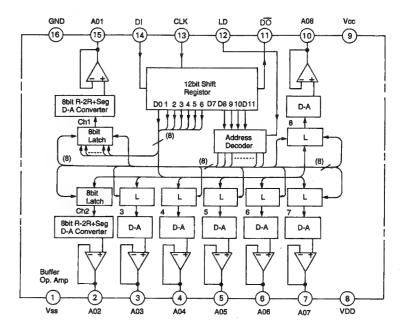
#### ■ M5218AFP-X [MITSUBISHI ] (Dual Op.Amp.)



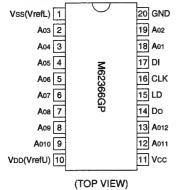


■ M62353GP-X [MITSUBISHI ] (8-Bit 8-Channel D/A Converter)



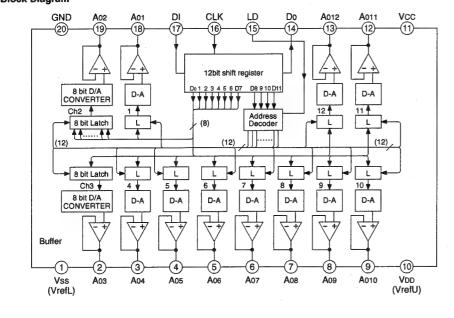


#### ■ M62366GP-X [MITSUBISHI] (8bit 12channel D/A converter)

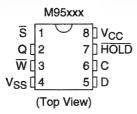


Pin No.	Symbol	Function
17)	Di	Serial data input terminal to input 12-bit long serial data
14)	Do	Terminal to output MSB data of 12-bit shift register
16)	CLK	Shift clock input terminal.Input signal at DI pin is input to 12-bit
		shift register at rise of shift clock pulse
<b>(15)</b>	LD	When H-level signal is input to this terminal, the value stored in 12-
		shift register   loaded in decoder and D-A converter output register
\$\$.00000000\$\$	A01 A02 A03 A04 A05 A06 A07 A08 A09 A010 A011 A012	8-bit D-A converter output terminal
10	VCC	Power supply terminal
<u></u>	GND	GND terminal
10	VDD	D-A converter upper reference voltage input terminal
(1)	Vss	D-A converter lower reference voltage input terminal

#### Block Diagram



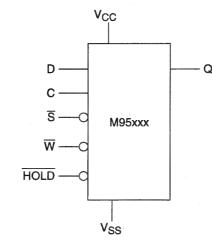
#### ■ M95320-WMN6-X [ST MICROELECTRONICS ] (64/32 Kbit Serial SPI Bus EEPROM)



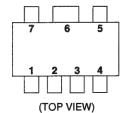
#### **Signal Names**

С	Serial Clock			
D	Serial Data Input			
Q	Serial Data Output			
Ŝ	Chip Select			
W	Write Protect			
HOLD	Hold			
V _{CC}	Supply Voltage			
V _{SS}	Ground			

#### **Logic Diagram**

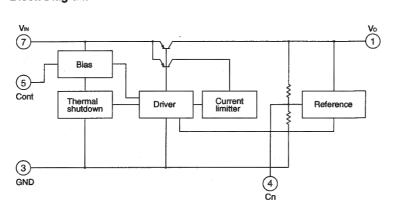


## MM1565AF-X [MITSUMI] (500mA Regulator (5V))

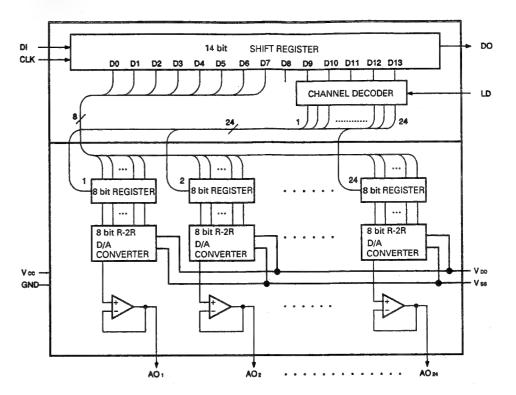


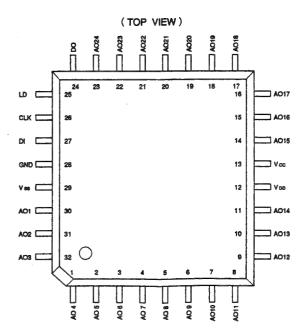
1	Vo
2	NC
3	GND
4	Cn
5	CONT
6	Sub
7	VIN

#### **Block Diagram**

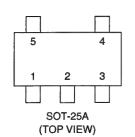


#### ■ MB88345PF [FUJITSU ] (D/A Converter)

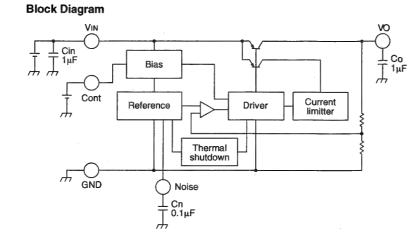




#### ■ MM1571JN-X [MITSUMI ] (1.8V Regulator)



1	VIN
2	GND
3	Cont
4	Noise
5	Vo



# MN103SF33NY4 [MATSUSHITA ] (32-Bit Microcomputer)

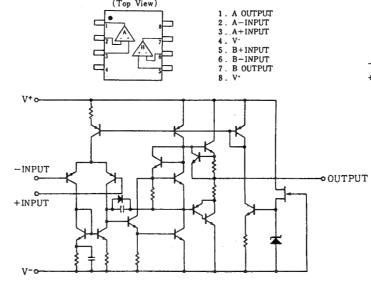
#### Pin Assignment

PV2, SBTA PG6, AN6 VSS	TCK PV1, SBOA VREFL PG2, AN2 PG4,	TM25IOB PF2, TM25IOA PE6, TM23IOA TMS	TM24IOB PE0, TM20IOA PE2, TM21IOA PF0, TM24IOA	VDD2 PE5, TM22IOB PD4, TM14IO PE4, TM22IOA	PD1, TM11IO PE7,	TM12IO PD3, TM13IO PC7, SY1OT3	VDD2 PC1, SY00T1	SY10T0, SBI8 PC2, SY00T2 PB5,	PB4, BR	PA4, SBO7	SBT6 PA0, SBI6	ICR9 VSS	P85,	P60,	ICR1 P80,			N
PG6, AN6 VSS	PV1, SBOA VREFL PG2, AN2	TM25IOA PE6, TM23IOA TMS	TM20IOA PE2, TM21IOA PF0, TM24IOA	TM22IOB PD4, TM14IO PE4,	TM21IOB PD1, TM11IO PE7,	TM13IO PC7, SY1OT3	PC1,	SY00T2	BR			vss						1
PG6, AN6 VSS	SBOA VREFL PG2, AN2	PE6, TM23IOA TMS	PE2, TM21IOA PF0, TM24IOA	PD4, TM14IO PE4,	PD1, TM11IO PE7,	PC7, SY1OT3				SBO7	SBI6	i	I ICBS					١v
PG6, AN6 VSS	SBOA VREFL PG2, AN2	TM23IOA TMS	TM21IOA PF0, TM24IOA	TM14IO PE4,	TM11IO PE7,	SY1OT3		PB5,			_			IRQ8	ICR0	N.D.		ľ
PG6, AN6 VSS	VREFL PG2, AN2	тмѕ	PF0, TM24IOA	PE4,	PE7,		STUDIT	BG	IRQ13	PA5, SBT7	PA3,	P92, ICR10	P86, ICR6	VSS	P62,	P63,	P61,	lι
VSS AVDD	PG2, AN2		TM24IOA				PD0.	PC0.	PB0.	P93,	SB17 P94,	IOITIO	P82.	P84.	IRQ10 P54,	IRQ11 P33,	N.C.*2	-
VSS	AN2	VDD		11112107	TM23IOR	TM20IOB	TM10IO	1		ICR11	ICR12	VDD2	ICR2	ICR4	IRQ4	D27, SBT2	(VDDF)	T
AVDD	AN2	VDD	TRST		TWILDIOD	N.C.*1	THITOIC	PC5,	PC3.	PB3.	PA1,	N.C.*1	P90,	P56.	P34.	P25,	P57,	1
			1	N.D.	VDD	(VSS)	VSS	SY10T1, SBO8	SY0OT3	WDOVF	SBO6	(VSS)	ICR8	IRQ6	D28, SBI3	D21, SBT0	IRQ7	F
														P52,	P43,	P53.	P51,	۱_
	AN4	VREFH	N.D.	N.D.	N.D.	N.D.	N.D.	N,D.	N.D.	N.D.	N.D.	N.D.	N.D.	IRQ2	PWM4	IRQ3	IRQ1	F
PG5,	PH2,	PG1,	PG0,									11.0	P50,	P55,	P41,		P40,	١.
AN5	AN10	AN1	ANO :	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D	ND.	IRQ0	IRQ5	TM1IO	VSS	PWM1, TM0IO	N
PH3,	PH4,	PH1,	PH0,	940	N/O			un		wo	410	Ni D	P36,	P42,	P37,		P35,	
AN11	AN12	AN9	AN8	19.12	M.D.	ALD.	N.D.	N.D.	N.D.	AD.	N.U.	re.U.	SBT3	TM2IO	PWM0	VDDH	SBO3	N
PI3,	PH7,	PI1,	PI0,	340	9475	N/D	ND	N.D.	N/O	N.O.	N/D	N D	P27,	VSS	P31,	P32.	P30,	١.
AN19	AN15	AN17	AN16										SBO1	700	SBI2	SB02	SBT1	-
P17,	PH6,	PI4,	P16,	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D	P21, D17,	P24, D20.	P23, D19	P22,	P26,	ĸ
AN23	AN14	AN20	AN22												SBIO	SBTB	SBit	רו
PM1,	PI2,	VDDB		N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.O.	NLD.	N.D.			1	P20, D16.	vss	J
			AN24											D14	<del></del>	SBIB		٦
WEO,		,	VSS	NLD.	N.O.	ND.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		ADDH	1 1		[ ]	H
DQMO																_	<del>                                     </del>	'
vss			VDD	N.D.	ND.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		VSS	'		1 1	l G
													UZ	Pon				~
VDD			N.D.	N.D.	N.D.	N.Đ.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	VSS			1 1	1 1	F
PO5								PK3	PL2	PR1	PR7		PT1	- 50				1
ADM5,	WET.	ADM1,	VSS	N.D.	PVSS	MMOD1	VSS		_	A20,	KI7,	N.D.		VOUT	' '		1 1	E
PO2.								PK4.	PL3.	PR2.	PS0.		PS5.	PS3.	- 54	DIZ	200000000000000000000000000000000000000	
DM2, A2		ADM7,	VSS	RST	VDDH	CKSEL	VDD	TM34IO	TM6IO	KI2.	SBI4	VSS	SBT5	SBI5	VDDH	VOUT	(解子)	D
	PP2.	PO4.	PP4,	PK1,	PK5,	PK7,	PKO,	PL1,	PL4,	PQ0,	PQ2,		PR4.	PU0.				
/DDB	ADM10,	ADM4, A4	ADM12, A12	TM3110	TM35IO	TM3710	TM30IO	TM4IO	TM7IO	A16	A18	VDDH	KI4,	WEZ, SCAS	NMIRQ	VDDH	VSS	C
	PP6.		PP3,	PP7,	PJ1,		PK2,	PK6,	PL5,	PRO,	PR5,	PS2,	PT0,	PS1,				_
	ADM14, A14	EXMODO	ADM11, A11	ADM15, A15	EXMOD1	PHUS	TM3210	TM36IO	PWM6	A19, KI0	KI5,	SBT4	SBI9	SBO4	LON			В
	PPO,	PP1,	PP5,	DVDD	MACODO	0000	0801	PLO,	vec	PQ1,	PR3, A22,	PR6,	PS4,	PT2,	PU1,			
	ADM6, A8	ADM9,	A13	PVDD	WINDU	Jaco	USUI	TM3IO	V33	A17	KI3, SCKE	KI6	SBO5	SBT9	SRAS	N.D.		Α
18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
. •	.,			. ,	. •					•	•	•	•	•		_	•	
							rers	spect	ive									
	PH3, AN11 PI3, AN19 PI7, AN23 PM1, CS1 DDM6 VVSS VVDD PO5, DM5, DM5, DM6, DM6, DM6, DM6, DM6, DM6, DM6, DM6	ANS AN10 PH3, PH4, AN11 AN12 PI3, PH7, AN19 AN15 PI7, PH6, AN18 PM1, PI2, CS1 AN18 PM0, PM0, CS0 CS0 PM6, RWSEL PM2, CS2 POS, PN1 WET, AS SDGM1 PO2, ADM10, A10 PP6, ADM10, A10 ADM6, AB	ANS AN10 AN1 PH3, PH4, PH1, AN11 AN12 AN9 PI3, PH7, PI1, AN19 AN15 AN17 PH6, PH6, AN23 AN14 AN20 PM1, P12, CS1 AN18 PN0, PM0, PM4, CS4 AS CS2 AS PM5, PM5, PM5, CS2 AS PM5, SDGM1 AS SD	ANS AN10 AN1 AN0 PH3, PH4, PH1, PH0, AN11 AN12 AN9 AN8 PI3, PH7, PI1, PI0, AN11 AN12 AN9 AN8 PI3, PH7, PI1, PI0, AN15 AN17 AN16 PI7, PH6, PH4, PI8, AN23 AN14 AN20 AN22 PM1, PI2, CST AN18 VDDB PM0, PM0, PM4, VSS DDM0 CS0 CS4 VSS PM5, PN6, PN6, PN6, PN6, CS2 AS PM5, PN6, PN6, PN6, CS2 AS PM5, PN6, PN6, DM7, AND PM2, PN6, DM7, AND PM2, PN6, DM7, AND PM2, PN6, SDM1, VSS DM2, AS PC05, PN1, ADM1, VSS DM2, AS PC05, PN1, ADM1, VSS DM2, AS PC06, PN1, ADM1, VSS DM2, AS PC07, PN3, ADM7, AS PC08, ADM4, AD	ANS AN10 AN1 AN0 PH3, PH4, PH1, PH0, AN11 AN12 AN9 AN8 PI3, PH7, PI1, PI0, AN11 AN16 AN17 AN16 PI7, PH6, PH, PI8, AN23 AN14 AN20 AN22 PM1, PI2, CST AN18 VDB AN24 PM0, PM0, PM4, VSS N.D. CST AN18 PM5, PN6, PN6, PN6, PM6, PM6, PM6, PM6, PM6, PM7, PM8, PM8, PM8, PM8, PM8, PM8, PM8, PM8	ANS ANIO ANI ANO N.D. N.D. PH3, PH4, PH1, PH0, AND N.D. ANII ANI2 AN9 AN8 N.D. N.D. ANII ANI2 AN9 AN8 N.D. N.D. ANII ANII ANII ANII ANII ANII ANII ANII	ANS ANIO ANI ANO N.D. N.D. N.D. PH3, PH4, PH1, PH0, AND N.D. N.D. N.D. N.D. N.D. N.D. ANID ANID ANID ANID ANID ANID ANID ANID	ANS ANIO ANI ANO N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.	ANS ANIO ANI ANO N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.	ANS AN10 AN1 AN0 N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.	ANS AN10 AN1 AN0 N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.	ANS ANIO ANI AND N.D. N.D. N.D. N.D. N.D. N.D. N.D.	ANS ANIO ANI ANO N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.	ANS ANIO ANI ANO N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.	ANS ANIO ANI ANO N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.	ANS AN10 AN1 AN0 N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.	ANS ANIO ANI ANIO ANI ANIO ANI ANIO ANI ANIO ANI ANIO ANIO	ANS ANIO ANI ANO N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.

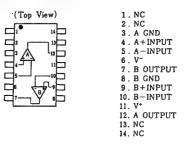
# ■ MM1572FN-X [MITSUMI ] (Refer to MM1571JN-X.)

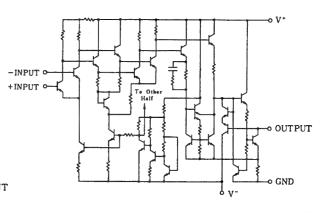
# MM1572KN-X [MITSUMI] (Refer to MM1571JN-X.)

#### ■ NJM4556AM-XE [JRC ] (Dual High Current Op.Amp)



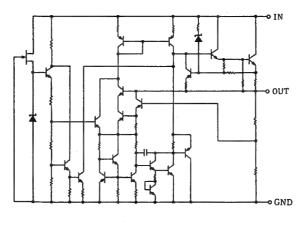
#### ■ NJM319M-X [JRC] (Voltage Comparator)





# ■ NJM78M05DL1A-X [JRC ] (3-Terminal Positive Voltage Regulator (+5V))





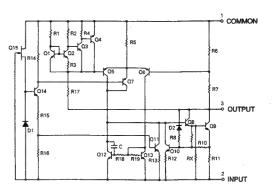
#### ■ NJM78M12DL1A-X [JRC ] (Refer to NJM78M05DL1A-X.)

## ■ NJM79L05UA-X [JRC ] (3-Terminal Negative Voltage Regulator (-5V))

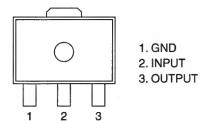


1. COMMON 2. IN 3. OUT

#### NJM79L00UA

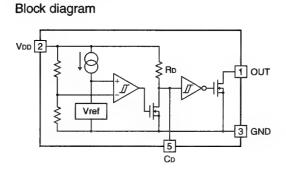


#### ■ NJU7222U30-X [JRC] (3-Terminal Positive Voltage Regulator)



## ■ RN5VD26AA-X [RICHO]

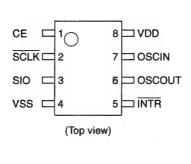
## (Voltage detector)

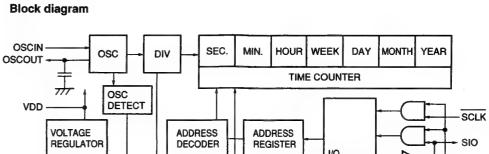


Pin descriptions

Pin Number	Pin Name	Pin Description						
1	OUT	Output terminal						
2	VDD	Power supply terminal Ground terminal						
3	GND							
4	NC	Not connect						
5	CD	External capacitor connecting terminal for delay						

#### ■ RS5C314-X [RICHO] (CMOS Realtime Clock)



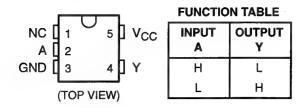


SHIFT REGISTER

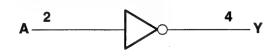
INTERRUPT

CONTORL

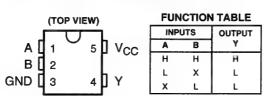
#### ■ SN74AHC1G04K-X [TEXAS INSTRUMENTS] (Single Inverter Gate)



#### Logic diagram (positive logic)



#### ■ SN74AHC1G08K-X [TEXAS INSTRUMENTS] (Single 2-Input Positive AND Gate)

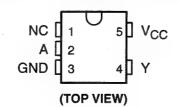


#### Logic diagram (positive logic)



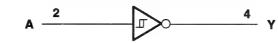
#### ■ SN74AHC1G14K-X [TEXAS INSTRUMENTS] (Single Schmitt-trigger Inverter Gate)

INTR



NC-No internal connection

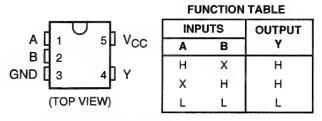
#### logic diagram (positive logic)



#### **FUNCTION TABLE**

INPUT A	OUTPUT Y
Н	L
L	н

#### ■ SN74AHC1G32K-X [TEXAS INSTRUMENTS ] (Single 2-Input Positive OR Gate)

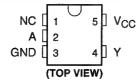


CONTROL

#### Logic diagram (positive logic)



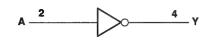
### SN74AHC1GU04K-X [TEXAS INSTRUMENTS] (Single Inverter Gate)



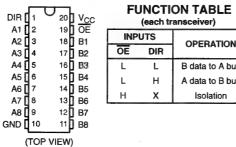
NC - No internal connection

#### **FUNCTION TABLE**

INPUT A	OUTPUT Y
Н	L
L	н

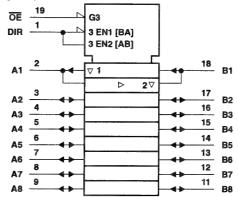


#### ■ SN74AHC245DGV-X [TEXAS INSTRUMENTS] (Octal Bus Transceivers with 3-State Outputs)

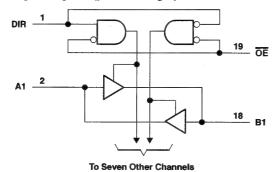


	(each transceiver)						
INP	UTS	OPERATION					
OE	DIR	OPERATION					
L	L	B data to A bus					
L	Н	A data to B bus					
Н	X	Isolation					

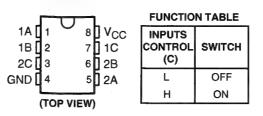
#### Logic symbol



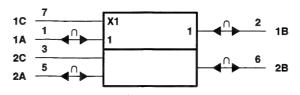
#### Logic diagram (positive logic)



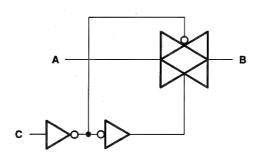
#### ■ SN74AHC2G66U-X [TEXAS INSTRUMENTS] (Dual Bidirectional Analog Switch)



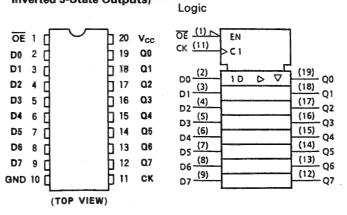
#### Logic symbol



#### **Block diagram**



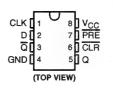
#### ■ SN74AHC574PW-X [TEXAS INSTRUMENTS] (Octal D-Type EDGE-Trigger Flip-Flop With NON Inverted 3-State Outputs)



OUTPUT	5	NPUT!	II
COTPUT	D	CK	ŌĒ
Z	Х	Х	Н
Qn	Х	£	L
L	L	£	L
Н	н	1	L

X : Don't Care Z : High Impedance On : No Change

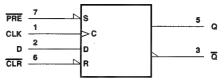
#### ■ SN74AHC2G74U-X [TEXAS INSTRUMENTS] (D-Type Flip-Flop with Preset and Clear)



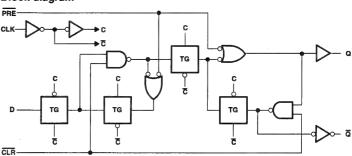
INPUTS	FUNCTION TABLES								
L H X X H L H L X X L H L L X X H H H H T H H L H H T L L H		INP	UTS						
H L X X L H L L X X H H H H H T H H L H H T L L H	PRE	CLR	CLK	D	Q	ā			
L L X X H H H L H H T L L H	L	Н	Х	Х	Н	L			
H H ↑ H H L H H ↑ L L <u>H</u>	н	L	X	Х	L	Н			
н н т і і н	L	L	Х	Х	H [†]	Ηţ			
	н	Н	1	Н	н	L			
н н ↓ х   о° <u>о</u> °	н	Н	Ť	L	L	Н			
	н	н	ţ	х	Q ₀	ℚ			

[†] This configuration is nonstable; that is, it does not persist when PRE or CLR returns to its inactive (high) level.

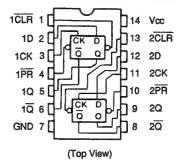
#### Logic symbol



#### **Block diagram**



#### ■ SN74AHC74PW-X [TEXAS INSTRUMENTS] (Dual D-Type Flip-Flop with Preset and Clear)

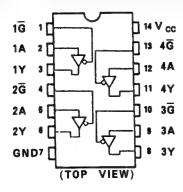


TRUE Table

FUNCTION	PUTS	OUTI		UTS	INP	
FUNCTION	Q	Q	СК	D	PR	CLR
CLEAR	Н	L	Х	Х	Н	L
PRESET	٦	Н	Х	Х	L	Н
	Н	Н	Х	Х	r	Ĺ
_	Н	L	7	L	Н	Н
	L	н	4	Н	Н	Н
NO CHANGE	Qn	Qn	L	Х	Н	Н

X : Don't care

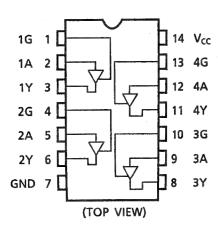
■ SN74AHCT125PW-X [TEXAS INSTRUMENTS ]
(Quad Bus Buffer Gates With 3-State Outputs)



TC74HC1	25 A	TRUE Table		
INP	JTS	OUTPUTS		
G	Α	Y		
H	Х	Z		
L	L	L		
L	н	Н		

X Don't Care
Z High Impedance

■ SN74LV126ADGV-X [TEXAS INSTRUMENTS ]
(Bus Buffer Gates with 3-State Output)



INP	UTS	OUTPUTS
G	Α	Y
L	Х	Z
Н	L	L
Н	Н	Н

X: Don't Care Z: High Impedance ■ SN74AHCT1G08K-X [TEXAS INSTRUMENTS ] (Refer to SN74AHC1G08K-X.)

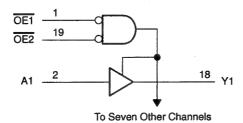
■ SN74AHCT541PW-X [TEXAS INSTRUMENTS ] (Octal Buffers/Drivers with 3-State Outputs)

		1			
OE1 [	1	O	20	Ь	V _{CC} OE2
A1 [	2		19	•	OE2
A2 [	3		18	•	Y1
A3 [			17	ן	Y2
A4 [					Y3
A5 [					Y4
A6 [					Y5
A7 [					Y6
A8 [	9		12		Y7
GND [	10		11	1	Y8
(TOP VIEW)					

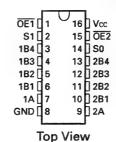
Function table (each buffer/driver)

•			·		
	INPUTS				
OE1	OE2	Α	Y		
L	L	L	L		
L	L	Н	н		
Н	X	X	z		
х	Н	Χ	z		

Logic diagram (positive logic)



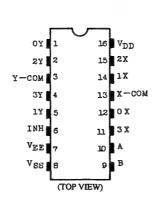
■ SN74CBT3253PW-X [TEXAS INSTRUMENTS ]
(2 Circuit 4 Bit-1 Bit FET Multiplexer/Demultiplexer)



S1	S0	OE1	OE2	FUNCTION
Х	Х	X	Н	Disconnect 1A
X	x	Н	x	Disconnect 2A
L	L	L	L	1A to 1B1 and 2A to 2B1
L	н	L	L	1A to 1B2 and 2A to 2B2
Н	L	L	L	1A to 1B3 and 2A to 2B3
н	Н	L	L	1A to 1B4 and 2A to 2B4

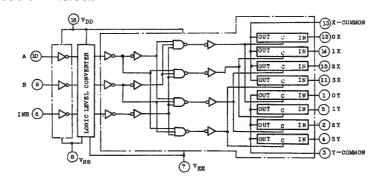
H:High Level L:Low Level X:Dont Care

■ TC4052BFT/N/-X [TOSHIBA ]
(Dual 4 Channel Analog Multiplexers/Demultiplexers)



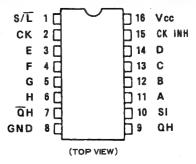
TRUTH TABLE				
CONTRO	L INF	UTS	"ON" CHANNEL	
INHIBIT	В	A	TC4052BP TC4052BF	
L	L	L	OX, OY	
L	L	Н	1X, 1Y	
L	H	L	2X, 2Y	
L	H	Н	3X, 3Y	
L	L	ŗ	-	
L	L	Н	_	
L	H	L	<u> </u>	
L	н	Н	_	
H	栄	<b>※</b>	NO NE	
∰ Don't Care				

LOGIC DIAGRAM

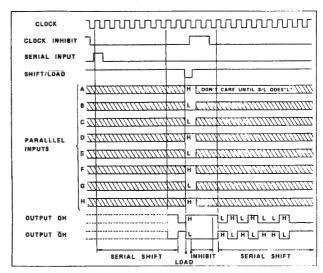


SN74LV125APW-X [TEXAS INSTRUMENTS ] (Refer to SN74AHCT125PW-X.)

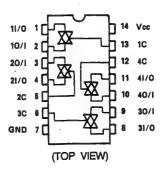
SN74LV165ADGV-X [TEXAS INSTRUMENTS]
(8-Bit Serial or Parallel-In/Serial Out Shift Registers)



Timing chart



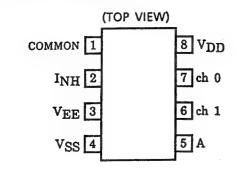
■ TC74HC4066AF-X [TOSHIBA ] (Quad Analog Switches)



RUF Table

TRUE Table					
CONTROL	SWITCH FUNCTION				
Н	ON				
L	OFF				

#### ■ TC4W53FU-X [TOSHIBA ] (2-Channel Multiprexer)



Truth table

CONTROL C	IMPEDANCE BETWEEN IN-OUT **
Н	0.5~5×10 ² Ω
L	>10°Ω

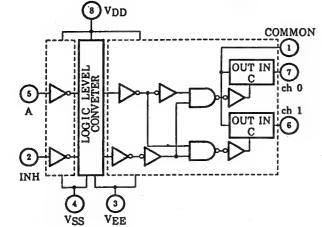
₩ Don't Care

Truth table

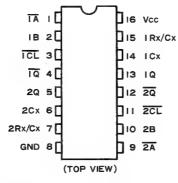
CONTROL INPUT		ON CHANNEL		
INH	Α			
L	L	ch 0		
L	Н	ch 1		
Н	*	NONE		

* Don't Care





# ■ TC74VHC123AFT-X [TOSHIBA ] (Dual Retriggerable Monostable Multivibrators)

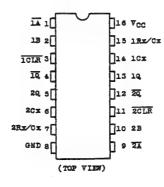


TRUE Table

	INPUTS		OUTPUTS		NOTE
Ā	В	ŌĹ	Q	Q	NOTE
Ł	н	н	几	T	OUTPUT ENABLE
Х	L	Н	L	H	INHIBIT
Н	Х	Н	L	н	INHIBIT
L		Н	工	T	OUTPUT ENABLE
L	Н	4	7	T	OUTPUT ENABLE
Х	Х	L	L	Н	INHIBIT

X:DON'T CARE

#### ■ TC74VHC221AFT-X [TOSHIBA ] (Dual Monostable Multivibrators (With Schmitt Trigger Input))

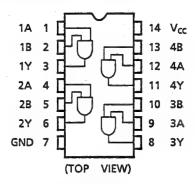


True Table

			,		· · · · · · · · · · · · · · · · · · ·	
	INPUTS		CUTPUTS		NO TE	
Ā	В	CL	Q	Q	2012	
7_	H	H	7	7	OUTPUT ENABLE	
I	L	H	L	H	INHIBIT	
H	I	丑	L	H	INHIBIT	
L		H	7	T	OUTPUT ENABLE	
L	H	5	1	J	OUTPUT ENABLE	
I	I	L	L	H	INHIBIT	

I : DON'T CARE

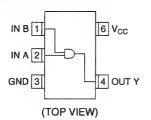
#### ■ TC74VHCT08AFT-X [TOSHIBA ] (Quad 2-Input AND Gates)



TRUE Table

Α	В	Υ			
L	L	L			
Ł	Н	L			
Н	Ļ	L			
Η.	Н.	Н			

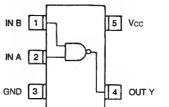
#### ■ TC7SET08F-X [TOSHIBA ] (2-input AND GATE)



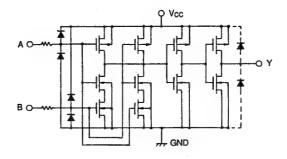
**TRUTH TABLE** 

Α	В	Υ
L	L	L
L	Н	L
Н	L	L
Н	Н	Н

#### ■ TC7SH00FU-X [TOSHIBA ] (2-Input NAND Gate)



TRUE Table				
Α	В	Υ		
L	L	Н		
L	Н	Н		
Н	L	Н		
Ħ	Н	L		

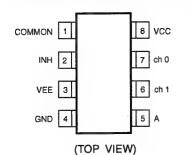


# ■ TC7W14FU-X [TOSHIBA ] (Schmitt Trigger Triple Inverte Gate)



# ■ TC7W53FU-X [TOSHIBA ] (2-Channel Multiplexer/Demultiplexer)

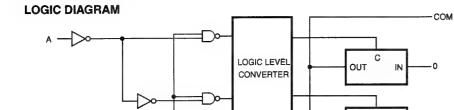
■ TLC2940IPW-X [TEXAS INSTRUMENTS ] (75MHz CMOS VCO)



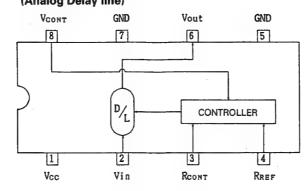
#### TRUTH TABLE

CONTROL INPUT		ON CHANNEL	
INH	Α	ON CHANNEL	
L	L	ch 0	
L	Н	ch 1	
Н	×	NONE	

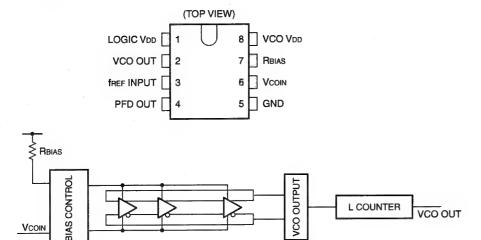
x : Don't care



#### ■ TK16031AM-X [TOKO ] (Analog Delay line)

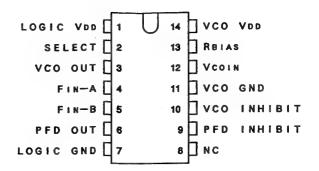


#### ■ UPC4082G2-X [NEC ] (J-FET Input Dual Op-Amplifire)

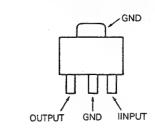


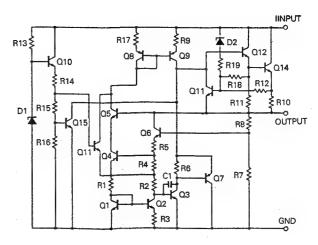
# OUT1 1 8 V* In 2 7 OUT2 In 3 6 In V- 4 5 Ins (TOP VIEW)

## TLC2932IPW-X [TEXAS INSTRUMENTS ]

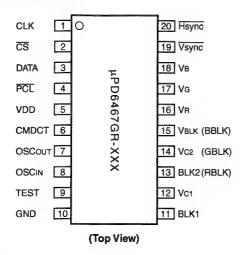


## ■ UPC78L12T-W [NEC ] (3-Terminal Positive Voltage Regulator (+12V))

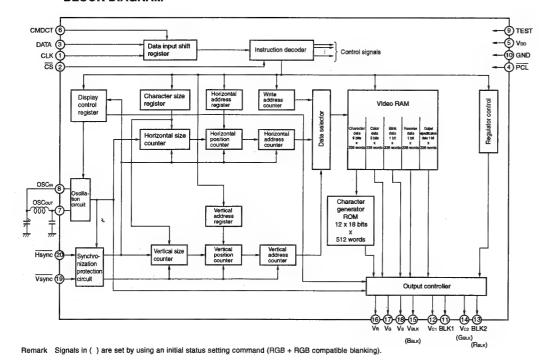




#### ■ UPD6467GR-533-X [NEC ] (ON-SCREEN CHARACTER DISPLAY)



#### **BLOCK DIAGRAM**



# **SECTION 5 EXPLODED VIEW AND PARTS LIST**

### SAFETY PRECATION

Parts identified by the  $\triangle$  symbol are critical for safety. Replace only with specified parts numbers.

#### NOTE

Parts not denoted by parts numbers are not supplied by JVC.

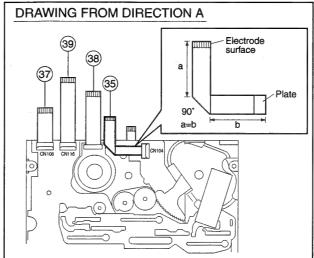
### ■ CABINET & CHASSIS ASSEMBLY PARTS LIST M2

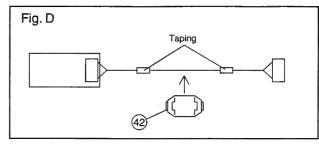
M 2 M M Symbol Description **Part Name** TOP COVER LL20097-001A-H LL20098-001A-H **BOTTOM COVER** QZF2008-002 FOOT FRONT PANEL ASS To be announced FRONT PANEL 4A LL10077-001B-H 4B LL30336-001A-H INDICATOR x10 4C LL30332-001A-H A.DUB BUTTON 4D LL30332-002A-H REC BUTTON PLAY BUTTON 4E LL30332-003A-H PAUSE BUTTON 4F LL30332-004A-H 4G LL30332-005A-H **EJECT BUTTON** 4H LL30332-006A-H STOP BUTTON **OPERATE BUTTON** 4J LL30332-008A-H 4K LL30333-001A-H BUTTON x5, MENU/RESET/HOLD/CVE UP/SET INDEX BUTTON 4L LL30333-002A-H x2 4M LL30333-003A-H DISP/BLANK BUTT x2 STOPPER 4N LL30334-001A-H 4P PGD30011-2 JVC MARK x2 4Q LL30332-007A-H FF/REW BUTTON STOPPER 4R LL30335-001A-H 5 LL10075-001A-H FRAME(R SIDE) FRAME(SUB SIDE) 6 LL20100-001A-H BRACKET(RAIL) 7 LL30326-001A-H 8 PGZ00493-02 **GUIDE RAIL** x2 BRACKET(PWB) x2 9 LL40379-001A-H BRACKET(L SIDE) 10 LL10076-001A-H E MODEL 11 LL30338-003B RATING LABEL U MODEL 11 PRD31421-08 **RATING LABEL** 12 LL20101-001A-H FRAME(FRONT) 13 LL30327-001A-H BRACKET(PWB) 14 LL40396-001A INSULATOR(BTM) 15 LL30325-001A-H FRAME(CENTER) 16 LL40376-001A-H BRACKET(MIC) 17 LL30330-001A-H STAY(REG) U MODEL 18 SC45456-001 LABEL 19 LL30331-001A-H CASE 20 LL30352-001A INASULATOR(TOP) REAR COVER 21 LL20099-001A-H BRACKET(REAR) 22 LL30324-001A-H 23 LL30329-001A-H BRACKET(9PIN) 24 LL30328-001A-H PANEL(SLOT) 25 LL40383-001A-H BRACKET(FAN) 26 QAR0208-001 **FAN MOTOR** 27 LL40397-001A DUCT WIRE CLAMP 28 SS45014-003 29 LL30314-001D-H BRACKET(L) 30 LL30315-001C-H BRACKET(R) SUB BRACKET(L) 31 LL30316-001A-H 32 LL30317-001A-H SUB BRACKET(R) 33 PRD30030-36 PAD 34 LL40377-001A-H SHIELD CASE FFC WIRE DV/CP104-ME104 35 QUQ105-1305AA DV/CP105-MDA105 36 QUQ105-2609AA FFC WIRE 37 QUQ105-2004AA FFC WIRE DV/CPU106-ME106 MDA113-CAP.M FFC WIRE 38 QUQ105-1804AA 39 QUQ105-2004AA FFC WIRE MDA116-ME116 WIRE DV/CP108-MDA108 40 QJJ027-081203 41 LL30337-001A-H SHIELD CASE(MDA) JVC B-SYS/A 42 QQR0490-001 FERRITE CORE 42 QQR0490-001 FERRITE CORE VIDEO-DCDC

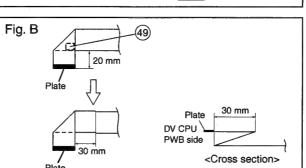
5-1 5-1

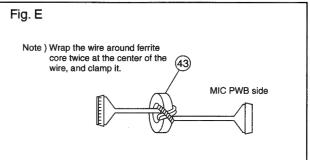
IID/FI		IIV/III	P/I	
M	: - 1	DA O		

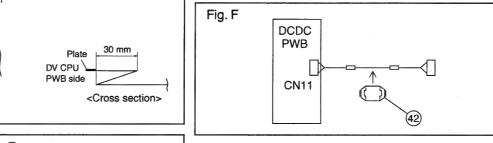
Symbol	Part No.	Part Name	M2MM Description
No.			Description
44 45	QQR1177-001 QQR1397-001 PU49485-3 PU60010-3 SS47574-005	FERRITE CORE FERRITE CORE WIRE CLAMP SPACER HOLDER	MIC-SYS/AUD VIDEO-DVCPU SYS/AUD x4 VIDEO
49 50 51 52	QUQ105-3022AA PRD42674 QUQ105-4518AA WJU0014-001A QUQ105-2007AA	FFC WIRE SHIELD CUSHON FFC WIRE FFC WIRE	DVCPU CN102-VID x2 DVCPU CN103-SYS SYS/AUD CN1 SLOT CN12
55 56 57	SCV2803-2407B QUQ105-3320AA QJN022-062221 WJJ0384-001A	FFC WIRE FFC WIRE FFC WIRE WIRE WIRE	SYS/AUD CN7 SLOT CN8 VIDEO CN6 DVCPU CN101-REA DCDC CN111
59 60 61	QJJ028-021412 QJJ002-142024 QJJ002-102220 QJJ002-082622 WJN0108-001B	WIRE WIRE WIRE WIRE WIRE WIRE	DCDC CN31 DCDC CN15 DCDC CN11 DCDC CN33 MIC BOARD-SYS/AUD CN14
63 64 65 66 67	QJJ027-071824 WJN0109-001A	WIRE WIRE WIRE WIRE WIRE WIRE	REAR2 CN5 JVC BUS PWB SYS/AUD CN17-RS422 REAR1 CN19 REAR1 CN2,3,4
68 69 70 71 72	WJN0112-001A WJJ0392-001A – QUB130-10QLQL LL40363-001A-H	WIRE WIRE LABEL LUG WIRE KNOB	SLOT CN21 SYS/AUD CN18–RS232C
73 74 ▲ 75 76 77	LL40390-002A PRD44923 PRD43663-01-03	LCD BRACKET(L) LABEL CAUTION LABEL FCC S.LABEL LCD BRACKET(R)	U MODEL U MODEL
78 79 S1 S2 S3		BACK LIGHT LCD MODULE SCREW SCREW SCREW	M3x6 x4 M3x6 x62 M2.6x6 x2
	QYSDST2614Z	SCREW SCREW(9PIN) SCREW(9PIN) SCREW SCREW	M2.6x6 x6 E MODEL x2 U MODEL x2 M2.6x14 x2 M3x8 x15
S10 S11 S12	QYSPSP2606Z QYSPSP3003Z PRD44099 QYSDSP2004Z QYSPSPM2003Z	SCREW SCREW SCREW SCREW SCREW	M2.6x6 x2 M3x3 x2 x2 M2x4 x2 M2x3 x2
W1 W2	QYWLS275306N QYWSS225003N	WASHER(9PIN) WASHER	x2

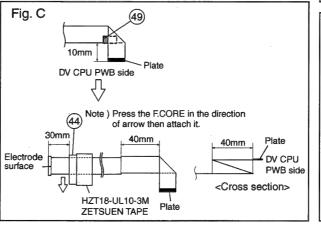


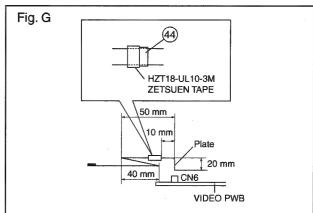




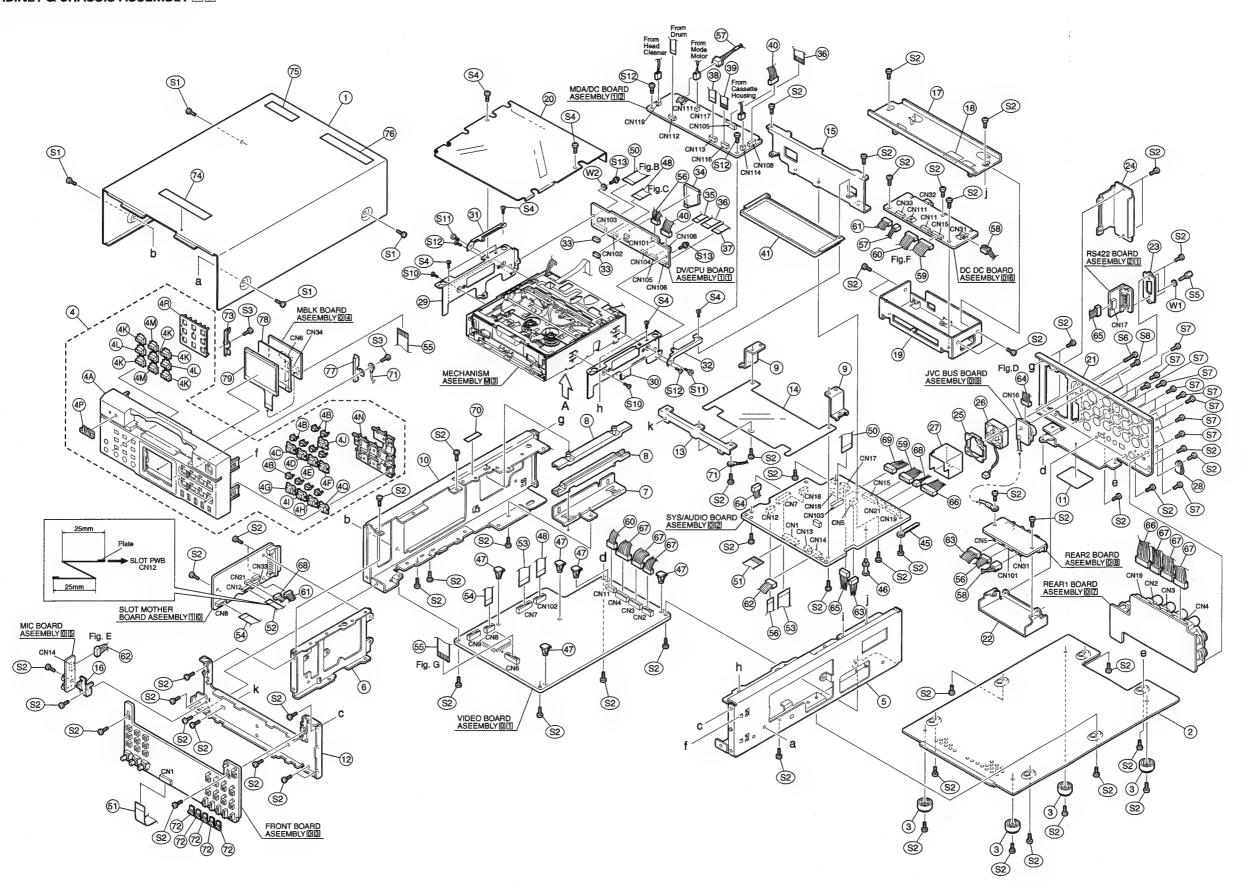




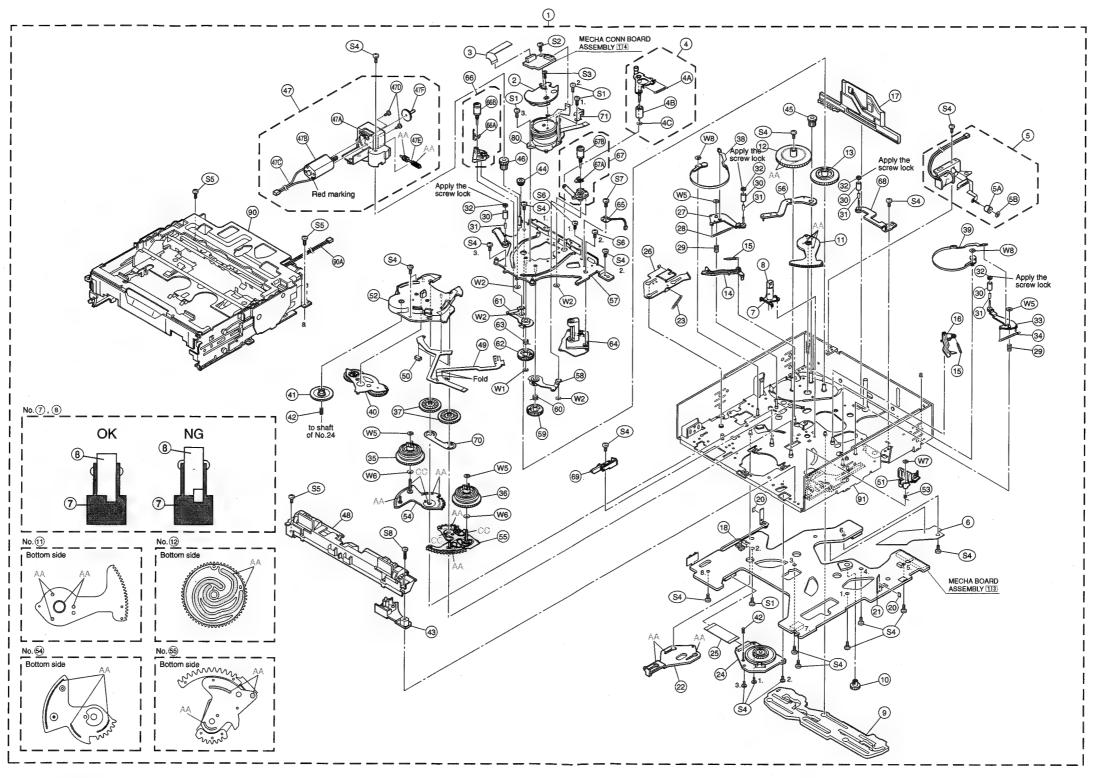




# 5.1 CABINET & CHASSIS ASSEMBLY M2



# 5.2 MECHANISM ASSEMBLY M 3



Classifi- cation	Part No.	Symbol in drawing
Grease	KYODO-SH-P	AA
Oil	YTU94027	CC

NOTES: • This section indicates that the grease and oil are to be applied on locations marked with AA and CC.

During checking and servicing, check if grease has been applied on the locations marked with AA and oil on the locations marked with CC.

• Apply also grease in the cam groove of the main cam.

# ■ MECHANISM ASSEMBLY PARTS LIST M3

B.A	3	D.A	8.4			
M	3	IV	M	1	i l	

Symbol No.	Part No.	Part Name	Description
1 2 3 4 4A	LL30247-001C LL20081-001A WJT0085-001A LL40370-001A LL40357-001A	MECHANISM ASSEMBLY TAPE GUARD FFC WIRE PINCH ROLLER ASSEMBLY TENSION SPRING	
4B 4C 5 5A 5B	LY40382-001A LL40371-001A LY41249-001A	PINCH ROLLER P.ROLLER CAP H.CLEANER ASS'Y HEAD CLEANER SA SLIT WASHER	
6 7 8 9	LL40341-001A LL30257-001A LN59 LL20071-001A LL30254-001A	GUIDE SHEET LED HOLDER L.E.D. CTL.PLATE M.SENSOR GEAR	
11 12 13 14 15	LL20072-001A LL40241-001A	ARM GEAR MAIN CAM P.CAM GEAR SUP REEL LOCK TEN.SPRING(R.L)	x2
16 17 18 20 21	LL30262-001A NAL0015-001	TU REEL LOCK PINCH PLATE FPC 2 ASSEMBLY PH.TRANSISTOR FPC 3 ASSEMBLY	x2
22 23 24 25 26	QAR0247-001 WJT0084-001A	F.LOCK LEVER TEN.SPRING(FLL) REEL MOTOR FFC SW LEVER	
27 28 29 30 31	LL40362-001A	SUP TEN.ARM SA. TEN.SPRING(STA) COMP.SPRING GUIDE ROLLER COLLAR	LL30263-001A (*1)  x2 x4 x4
32 33 34 35 36	_ LL40353-001A	FLANGE TU TEN.ARM SA. TEN.SPRING(TTA) SUP R.DISK ASSY TU R.DISK ASS'Y	x4 LL30265-001B (*1)
37 38 39 40 41	LL40293-001A LL40300-001A LL40345-001A	CONN.GEAR ASS'Y SUP T.BAND ASSY TU T.BAND ASS'Y IDLER ARM ASS'Y EMERGENCY GEAR	x2
44 45	LL30303-001A LL40242-001A	COMP.SPRING(E.G) MIC GUIDE GEAR 1 GEAR 2 WORM WHEEL 2	
47 47A 47B 47C 47D	LL10068-001B LL40246-001A WJM0310-001A	M.MOTOR ASS'Y MOTOR BRACKET MODE MOTOR SA WIRE SCREW	M2x3

^{*1 :} These parts can not be replaced individually. To replace them, please replace the MECHANISM assembly.

M3MM

			M3MM
Symbol No.	Part No.	Part Name	Description
47E 47F 48 49 50	LL40252-001B LL20087-001B NAL0014-001A	WORM ASSEMBLY E.GEAR(MODE) CA.GUIDE ASS'Y FPC 1 ASSEMBLY I.C.(PH SENSOR)	x2
51 52 53 54 55	QNZ0586-001 LL10067-001B LL40356-001A	M.I.C.CONNECTOR IDLE COVER TORSION SPRING S.R.PLATE ASS'Y T.R.PLATE ASS'Y	
56 57 58 59 60	LL30273-001A	CTL.ARM ASS'Y SUB DECK ASS'Y TU L.ARM ASS'Y TU L.GEAR T.SPRING(T.L.G)	LL20076-001B (*1)
61 62 63 64 65	LL30274-001A LL40282-001A QAR0248-001	SUP L.ARM ASS'Y SUP L.GEAR T.SPRING(S.L.G) CAPSTAN MOTOR DEW SENSOR	
66 66A 66B 67 67A	LL30275-001B LL30277-001A LL40284-001A LL30278-001A LL30280-001A	SUP P.BASE ASSY SUP P.B.PLATE G.ROLLER ASS'Y TU P.BASE ASS'Y TU P.B.PLATE	
67B 68 69 70 71	LL40284-001A - LL40324-001B LL30306-001A LL30339-001A	G.ROLLER ASS'Y E.G.R.ARM ASS'Y M.C.B.PIN ASS'Y LEAF PLATE TU TAPE GUARD	LL40292-001A <b>(*1)</b>
80 90 90A 91 S1	YDV2103A LL20064-001A WJM0311-001A _ QYSPSPU1735N	DRUM ASSEMBLY C.HOUSING ASS'Y WIRE MAIN DECK ASS'Y SCREW	LL20063-001B <b>(*1)</b> M1.7x3.5 x4
S2 S3 S4 S5 S6	QYSDSG2004N QYSPSPU1430M QYSPSPU1725M QYSDSP2005Z QYSDSP2003Z	SCREW SCREW SCREW SCREW SCREW	M2x4 M1.4x3.0 M1.7x2.5 x14 M2x5 x3 M2x3 x2
S7 S8 W1 W2 W5	YQ43893 QYSDSP2012Z QYWDL163525 QYWDM254725	SCREW SCREW SLIT WASHER SLIT WASHER SLIT WASHER	M1.4x2 M2x12 x4 x4
W6 W7 W8	QYWDM082025	WASHER SLIT WASHER SLIT WASHER	x2 x2

^{*1 :} These parts can not be replaced individually. To replace them, please replace the MECHANISM assembly.

# SECTION 6 ELECTRICAL PARTS LIST

### **SAFETY PRECAUTION:**

Parts identified by the  $\triangle$  symbol are critical for safety. Replace only with specified parts numbers. For maximum reliability and performance, all other replacement parts should be identical to those specified.

#### NOTE:

- Parts not denoted by parts numbers are not supplied by JVC.
- Abbreviations in this list are as follows:

RESISTORS

In the "Description" column:

All resistance values are in ohms ( $\Omega$ ). k expresses kilo-ohm (1 000 ohms, k $\Omega$ ). M expresses mega-ohm (10 6  ohms, M $\Omega$ ).

In the "Parts Name" column:

CAR.RESISTOR : Carbon Resistor

C.M.F.RESISTOR: Constant Metalized Film Resistor

COMP.RESISTOR: Composition Resistor
FUSI.RESISTOR: Fusible Resistor
M.F.RESISTOR: Metal Film Resistor
M.G.RESISTOR: Metal Graze Resistor
M.P.RESISTOR: Metal Plate Resistor

O.M.F.RESISTOR: Oxide Metalized Film Resistor

TRIM.RESISTOR: Trimerer Resistor

U.F.RESISTOR : Non-inflammable Resistor

VAL.RESISTOR : Valiable Resistor
W.W.RESISTOR : Wire Wound Resistor

**CAPACITORS** 

In the "Description" column:

All capacitance values are in microfarad ( $\mu$  F) unless

otherwise indicated.

p expresses picofarad (10⁻¹² farad,pF).

In the "Parts Name" column:

CER.CAPACITOR : Ceramic Capacitor

E.CAPACITOR : Electrolytic Capacitor

FILM CAPACITOR : Film Capacitor

M.F.CAPACITOR : Metalized Film Capacitor

MICA CAPACITOR: Mica Capacitor

MPP CAPACITOR: Metalized PolyPropylene Capacitor
MPPS CAPACITOR: Metalized PolyPhenylene Sulfied film

Capacitor

M.M.CAPACITOR : Metalized Mylar Capacitor

MYLAR CAPACITOR: Mylar Capacitor

N.P.CAPACITOR : Non-Poler electrolytic Capacitor

P.P.CAPACITOR : PolyPropylene Capacitor

PPS CAPACITOR : PolyPhenylene Sulfied film Capacitor

P.S.CAPACITOR: PolyStyrene Capacitor
TAN.CAPACITOR: Tantal Capacitor
TRIM.CAPACITOR: Trimer Capacitor
VAL.CAPACITOR: Valiable Capacitor

Note: In the "Description" column of the parts list, (U) means the parts for the U version while - (E) is for the E Version.

Symbol No.	Part No.	Part Name	Description		
IC1	SCV1585-064 SCV1585-067	I.C.(M) I.C.(M)	JVC JVC	(U) (E)	for U model

# 6.1 VIDEO BOARD ASSEMBLY PARTS LIST 01

LK1175A0C : U model LK1175E0C : E model

0		

Symbol No.	Part No.	Part Name	Description
IC1	TC4W53FU-X	I.C.(M)	TOSHIBA
IC2	CXD2064Q	I.C.(M)	SONY
IC3	TC4W53FU-X	I.C.(M)	TOSHIBA
IC4	M51271FP-X	I.C.(M)	MITSUBISHI
IC5	TC4W53FU-X	I.C.(M)	TOSHIBA
IC7	MM1565AF-X	I.C.(M)	MITSUMI
IC8	NJM79L05UA-X	I.C.(M)	JRC
IC201	CD74HC4053PW-X	I.C.(M)	RCA
IC203	UPC4082G2-X	I.C.(M)	NEC
IC204	CD74HC4053PW-X	I.C.(M)	RCA
IC205	TK16031AM-X	I.C.(M)	TOKO DENSHI
IC207	CD74HC4053PW-X	I.C.(M)	RCA
IC208	UPC4082G2-X	I.C.(M)	NEC
IC209	CD74HC4053PW-X	I.C.(M)	IRCA INEC
IC210	UPC4082G2-X TC4W53FU-X	I.C.(M)	TOSHIBA
IC211 IC212	CD74HC4053PW-X	I.C.(M) I.C.(M)	RCA
IC212	UPC4082G2-X	I.C.(M)	NEC
IC213	CXA1211M-X	I.C.(M)	SONY
IC215	MM1565AF-X	I.C.(M)	MITSUMI
10210	IVIIVI 1000AI A	1.0.((4))	I WILL SO IVII
IC216	NJM79L05UA-X	I.C.(M)	JRC
IC217	TK16031AM-X	I.C.(M)	TOKO DENSHI
IC218	NJM79L05UA-X	I.C.(M)	JRC
IC219	NJM79L05UA-X	I.C.(M)	JRC
IC401	M5216FP-X	I.C.(M)	MITSUBISHI
IC402	M5216FP-X	I.C.(M)	MITSUBISHI
IC403	M5216FP-X	I.C.(M)	MITSUBISHI
IC404	ADC1175CIJM-X	I.C.(M)	NATIONAL SEMICO
IC405	ADC1175CIJM-X	1.C.(M)	NATIONAL SEMICO
IC406	ADC1175CIJM-X	I.C.(M)	NATIONAL SEMICO
10400	EDE60164 OC000 2	1.0 (8.4)	ALTERA
IC409 IC410	EPF6016AQC208-3   EPC2LC20-019	I.C.(M) I.C.(M)	ALTERA (U)
10410			ALTERA (E)
	EPC2LC20-020	I.C.(M)	ALTERA (C)
SK410	NN (0002 020	IC COCKET	FOR IC410
SK410	NNV0002-020	IC SOCKET	FOR IC410
IC411	SN74AHCT541PW-X	LC.(M)	TEXAS
IC412	SN74AHC245DGV-X	I.C.(M)	TEXAS
IC413	SN74AHC245DGV-X	I.C.(M)	TEXAS
IC414	SN74AHC245DGV-X	I.C.(M)	TEXAS
IC415	SN74AHC245DGV-X		TEXAS
IC416	SN74AHC245DGV-X		TEXAS
IC417	SN74AHC245DGV-X		TEXAS
IC601	MM1565AF-X	I.C.(M)	MITSUMI
IC602	NJM79L05UA-X	I.C.(M)	JRC
IC603	BA033FP-X	I.C.(M)	ROHM
IC604	ADV7172KST	I.C.(M)	ANALOG DEVICES
IC605	TC7SET08F-X	I.C.(M)	TOSHIBA
IC606	AD817AR-X	I.C.(M) I.C.(M)	ANALOG DEVICES
IC607	AD817AR-X		ANALOG DEVICES
IC608 IC609	AD817AR-X	I.C.(M)	ANALOG DEVICES
IC609	AD817AR-X	I.C.(M)	ANALOG DEVICES ANALOG DEVICES
IC611	AD817AR-X AD817AR-X	I.C.(M) I.C.(M)	ANALOG DEVICES
IC612	AD817AR-X		ANALOG DEVICES
IC612	TC7W53FU-X	I.C.(M) I.C.(M)	TOSHIBA
IC614		I.C.(M)	RCA
IC801	MM 1565AF-X	I.C.(M)	MITSUMI
IC802	NJM79L05UA-X	I.C.(M)	JRC
IC803	LM1881M-X	I.C.(M)	NATIONAL SEMICO
1C804		I.C.(M)	TOSHIBA
IC805 IC806		I.C.(M) I.C.(M)	TOSHIBA TOSHIBA
IC806	TC4W53FU-X TLC2932IPW-X	I.C.(M)	TEXAS
IC807	TC4W53FU-X	I.C.(M)	TOSHIBA
IC809	SN74AHC1GU04K-X		TEXAS
IC810	·		TEXAS
IC810		I.C.(M) I.C.(M)	TOSHIBA
IC811		I.C.(M)	NATIONAL SEMICO
IC812		I.C.(M)	NEC NEC
IC814	TC74VHC221AFT-X		TOSHIBA
IC815		I.C.(M)	TOSHIBA
Ll			

Symbol No.	Part No.	Part Name	Description
IC816 IC817 IC818 IC819	TC74VHC221AFT-X TLC2932IPW-X TC4W53FU-X TC4W53FU-X	I.C.(M) I.C.(M) I.C.(M) I.C.(M)	TOSHIBA TEXAS TOSHIBA TOSHIBA
IC820 IC821 IC822 IC823 IC824 IC825 IC826 IC827 IC828 IC829	SN74AHC1GU04K-X SN74AHC1G04K-X SN74AHC1541PW-X BU4094BCFV-X BU4094BCFV-X MB88345PF UPD6467GR-533-X UPD6467GR-533-X CD74HC4053PW-X CD74HC4053PW-X	I.C.(M)	TEXAS TEXAS TEXAS ROHM ROHM FUJITSU NEC NEC RCA RCA
IC1001	CXM3004R	I.C.(M)	SONY
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10	2SA1774/QRS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X	TRANSISTOR	ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM
Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q21	2SA1774/QRS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X	TRANSISTOR	ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM
022 023 024 025 029 030 031 032 033	2SC4617/RS/-X 2SC4617/RS/-X 2SA1774/QRS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X	TRANSISTOR	ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM
Q35 Q36 Q201 Q202 Q203 Q204 Q205 Q206 Q207 Q208	2SC4617/RS/-X DTC144EUA-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X	TRANSISTOR	ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM
Q209 Q210 Q211 Q212 Q213 Q214 Q215 Q216 Q217 Q218	2SA1774/QRS/-X 2SC4617/RS/-X 2SA1774/QRS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SA1774/QRS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SA1774/QRS/-X 2SA1774/QRS/-X	TRANSISTOR	ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM
O219 O220 O221 O222 O223 O224	2SC4617/RS/-X 2SC4617/RS/-X 2SA1774/QRS/-X 2SC4617/RS/-X 2SC4617/RS/-X 2SC4617/RS/-X	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	ROHM ROHM ROHM ROHM ROHM ROHM

Symbol No.	Part No.	Part Name	Description
	20A1774/0D0/V	TRANSISTOR	ROHM
Q225	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q226	2SC4617/RS/-X	TRANSISTOR	ROHM
Q227	2SA1774/QRS/-X 2SC4617/RS/-X	TRANSISTOR	ROHM
Q228	25C4017/N3/-A	INANSISTON	TOT IIVI
Q229	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q230	2SC4617/RS/-X	TRANSISTOR	ROHM
Q231	2SC4617/RS/-X	TRANSISTOR	ROHM
0232	2SA1774/QRS/-X	TRANSISTOR	ROHM
0233	2SC4617/RS/-X	TRANSISTOR	ROHM
Q234	2SC4617/RS/-X	TRANSISTOR	ROHM
Q235	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q236	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q237	2SC4617/RS/-X	TRANSISTOR	ROHM
Q237	2SC4617/RS/-X	TRANSISTOR	ROHM
Q239	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q240	2SC4617/RS/-X	TRANSISTOR	ROHM
Q241	2SC4617/RS/-X	TRANSISTOR	ROHM
Q242	2SC4617/RS/-X	TRANSISTOR	ROHM
Q243	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q244	2SC4617/RS/-X	TRANSISTOR	ROHM
Q245	2SC4617/RS/-X	TRANSISTOR	ROHM
Q246	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q247	2SC4617/RS/-X	TRANSISTOR	ROHM
Q248	2SC4617/RS/-X	TRANSISTOR	ROHM
0240	2SC4617/RS/-X	TRANSISTOR	ROHM
0249			ROHM
Q250	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q251	2SC4617/RS/-X	TRANSISTOR	
Q253	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q601	2SC4617/RS/-X	TRANSISTOR	ROHM
0602	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q603	2SC4617/RS/-X	TRANSISTOR	ROHM
Q604	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q605	2SC4617/RS/-X	TRANSISTOR	ROHM
2606	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q607	2SC4617/RS/-X	TRANSISTOR	ROHM
0608	2SA1774/QRS/-X	TRANSISTOR	ROHM
0609	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q610	2SC4617/RS/-X	TRANSISTOR	ROHM
Q611	2SA1774/QRS/-X	TRANSISTOR	ROHM
		TRANSISTOR	ROHM
Q612	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q613	2SC4617/RS/-X	TRANSISTOR	ROHM
Q614	2SA1774/QRS/-X	1	ROHM
Q615 Q616	2SA1774/QRS/-X 2SA1774/QRS/-X	TRANSISTOR TRANSISTOR	ROHM
0010	23/17/4/01/0/-/	MANOIOTOTT	
Q617	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q618	2SC4617/RS/-X	TRANSISTOR	ROHM
Q619	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q801	2SC4617/RS/-X	TRANSISTOR	ROHM
Q802	2SC4617/RS/-X	TRANSISTOR	ROHM
0803	2SC4617/RS/-X	TRANSISTOR	ROHM
Q804	2SC4617/RS/-X	TRANSISTOR	ROHM
0805	2SC4617/RS/-X	TRANSISTOR	ROHM
Q806	2SC4617/RS/-X	TRANSISTOR	ROHM
Q807	2SC4617/RS/-X	TRANSISTOR	ROHM
Q808	2SC4617/RS/-X	TRANSISTOR	ROHM
Q809	2SC4617/RS/-X	TRANSISTOR	ROHM
Q1001	2SA1774/QRS/-X	TRANSISTOR	ROHM
Q1002	DTC144EUA-X	TRANSISTOR	ROHM
Q1003		TRANSISTOR	MATSUSHITA
	2SA1790/BC/-X	TRANSISTOR	MATSUSHITA
Q1005		TRANSISTOR	MATSUSHITA
Q1006		TRANSISTOR	MATSUSHITA
D1	DAN202U-X	DIODE	ROHM
D3	DAN202U-X	DIODE	ROHM
		DIODE ARRAY	SANYO
D201	EC2C01C-X		I .
D202	EC2C01C-X	DIODE ARRAY	SANYO
D203	EC2C01C-X	DIODE ARRAY	SANYO
		DIODE	ROHM -
D401	DA204U-X		DOLLA
D401 D402	DAP202U-X	DIODE	ROHM
D401 D402 D403	DAP202U-X DAN202U-X	DIODE .	ROHM
D401 D402	DAP202U-X	DIODE	

Symbol No.	Part No.	Part Name	Descrip	otion
D406 D407 D408 D409 D801 D802 D803 D804 D805 D806	DAN202U-X DA204U-X DAP202U-X DAN202U-X DAN202U-X DA204U-X MA335-X MA335-X MA335-X MA335-X	DIODE	ROHM ROHM ROHM ROHM ROHM ROHM MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA	
D807 D808 D809 D810 D1001 D1002	MA335-X MA335-X MA335-X MA335-X HZM3.0NB1-X HZM3.9NB2-X	DIODE DIODE DIODE DIODE ZENER DIODE ZENER DIODE	MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA HITACHI HITACHI	
R1 R2 R3 R4 R5 R6 R7 R8 R9 R10	NRSA63D-151X NRSA63D-151X NRSA63J-223X NRSA63J-273X NRSA63J-101X NRSA63J-101X NRSA63J-103X NRSA63J-101X NRSA63J-101X NRSA63D-821X NRSA63D-471X	M.G.RESISTOR	150 150 22k 27k 100 2.2k 100 100 820 470	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R11 R12 R13 R14 R15 R16 R17 R18 R19 R20	NRSA63D-272X NRSA63D-471X NRSA63J-393X NRSA63J-223X NRSA63J-101X NRSA63J-331X NRSA63D-821X NRSA63D-102X NRSA63D-102X NRSA63D-222X NRSA63D-122X	M.G.RESISTOR	2.7k 470 39k 22k 100 330 820 1k 2.2k 1.2k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R21 R22 R23 R24 R25 R26 R27 R28 R29 R30	NRSA63J-101X NRSA63J-101X NRSA63J-102X NRSA63J-103X NRSA63J-392X NRSA63J-681X NRSA63J-221X NRSA63J-221X NRSA63J-102X NRSA63J-101X NRSA63J-0R0X	M.G.RESISTOR	100 100 1k 10k 3.9k 680 220 1k 100	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W (E)
R31 R32 R34 R35 R36 R37 R38 R40 R41 R42	NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63D-332X NRSA63D-332X NRSA63D-332X NRSA63D-322X NRSA63D-221X	M.G.RESISTOR	0 0 0 0 0 0 0 3.3k 3.3k 1.8k 220	1/16W (U) 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R43 R44 R45 R46 R47 R48 R49 R50 R51 R52	NRSA63D-221X NRSA63J-331X NRSA63J-332X NRSA63J-222X NRSA63D-102X NRSA63D-102X NRSA63D-152X NRSA63D-52X NRSA63J-331X NRSA63J-102X	M.G.RESISTOR	220 330 3.3k 2.2k 1k 1.5k 2.2k 330 1k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R54 R55 R56 R57 R58 R59	NRSA63D-561X NRSA63J-101X NRSA63J-222X NRSA63J-222X NRSA63J-331X NRSA63J-681X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	560 100 2.2k 2.2k 330 680	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W

REO	Symbol No.	Part No.	Part Name	Descri	ption
R61         NRSA63J-102X         M.G. RESISTOR         11,16W           R62         NRSA63J-312X         M.G. RESISTOR         1.2k         1/16W           R63         NRSA63J-102X         M.G. RESISTOR         11,16W         11,16W           R66         NRSA63J-102X         M.G. RESISTOR         100         1/16W           R67         NRSA63J-102X         M.G. RESISTOR         100         1/16W           R68         NRSA63J-16X         M.G. RESISTOR         100         1/16W           R69         NRSA63J-16X         M.G. RESISTOR         22k         1/16W           R70         NRSA63J-16X         M.G. RESISTOR         150         1/16W           R71         NRSA63J-16X         M.G. RESISTOR         150         1/16W           R72         NRSA63J-16X         M.G. RESISTOR         27k         1/16W           R73         NRSA63J-16X         M.G. RESISTOR         22k         1/16W           R75         NRSA63J-18X         M.G. RESISTOR         39k         1/16W           R76         NRSA63J-18X         M.G. RESISTOR         39k         1/16W           R77         NRSA63J-18X         M.G. RESISTOR         11k         1/16W           R79		NDCACO LOCOV	M C DECISION	2.24	1/10/4/
R62         NRSA63J-122X         M. G.RESISTOR         330         1/16W           R65         NRSA63J-122X         M. G.RESISTOR         1.2k         1/16W           R66         NRSA63J-101X         M. G.RESISTOR         1.0         1/16W           R67         NRSA63J-130X         M. G.RESISTOR         2.2k         1/16W           R68         NRSA63J-83X         M. G.RESISTOR         33k         1/16W           R70         NRSA63J-151X         M. G.RESISTOR         68k         1/16W           R71         NRSA63J-151X         M. G.RESISTOR         150         1/16W           R71         NRSA63J-273X         M. G.RESISTOR         22k         1/16W           R72         NRSA63J-22X         M. G.RESISTOR         27k         1/16W           R74         NRSA63J-23X         M. G.RESISTOR         22k         1/16W           R75         NRSA63J-10X         M. G.RESISTOR         39k         1/16W           R76         NRSA63J-10X         M. G.RESISTOR         39k         1/16W           R76         NRSA63J-10X         M. G.RESISTOR         1k         1/16W           R77         NRSA63J-10X         M. G.RESISTOR         1k         1/16W					
R65         NRSA63J-102X         M.G. RESISTOR         1.2k         1/16W           R66         NRSA63J-102X         M.G. RESISTOR         1t         1/16W           R66         NRSA63J-102X         M.G. RESISTOR         100         1/16W           R68         NRSA63J-333X         M.G. RESISTOR         2.2k         1/16W           R68         NRSA63J-68X         M.G. RESISTOR         33k         1/16W           R70         NRSA63J-16XX         M.G. RESISTOR         150         1/16W           R71         NRSA63J-26XX         M.G. RESISTOR         150         1/16W           R72         NRSA63J-22XX         M.G. RESISTOR         27k         1/16W           R73         NRSA63J-393X         M.G. RESISTOR         27k         1/16W           R76         NRSA63J-393X         M.G. RESISTOR         39k         1/16W           R76         NRSA63J-393X         M.G. RESISTOR         39k         1/16W           R77         NRSA63J-393X         M.G. RESISTOR         1k         1/16W           R76         NRSA63J-393X         M.G. RESISTOR         1k         1/16W           R77         NRSA63J-300X         M.G. RESISTOR         1k         1/16W					
R65					
R66         NRSA63J-101X         M.G. RESISTOR         100         1/16W           R67         NRSA63J-333X         M.G. RESISTOR         33k         1/16W           R69         NRSA63J-333X         M.G. RESISTOR         33k         1/16W           R70         NRSA63D-161X         M.G. RESISTOR         150         1/16W           R71         NRSA63D-161X         M.G. RESISTOR         150         1/16W           R72         NRSA63J-273X         M.G. RESISTOR         150         1/16W           R74         NRSA63J-223X         M.G. RESISTOR         150         1/16W           R74         NRSA63J-393X         M.G. RESISTOR         27k         1/16W           R76         NRSA63J-393X         M.G. RESISTOR         39k         1/16W           R77         NRSA63J-102X         M.G. RESISTOR         18k         1/16W           R77         NRSA63J-102X         M.G. RESISTOR         1k         1/16W           R78         NRSA63J-102X         M.G. RESISTOR         1k         1/16W           R79         NRSA63J-102X         M.G. RESISTOR         1k         1/16W           R81         NRSA63J-102X         M.G. RESISTOR         1k         1/16W           <	H63	NRSA63J-122X	M.G.RESISTOR	1.2k	1/16//
R67         NRSA63J-322X         M. G. RESISTOR         2.2k         1/16W           R68         NRSA63J-363X         M. G. RESISTOR         33k         1/16W           R70         NRSA63D-161X         M. G. RESISTOR         15b         1/16W           R71         NRSA63D-161X         M. G. RESISTOR         15b         1/16W           R72         NRSA63D-161X         M. G. RESISTOR         12b         1/16W           R73         NRSA63J-223X         M. G. RESISTOR         22k         1/16W           R73         NRSA63J-222X         M. G. RESISTOR         22k         1/16W           R76         NRSA63J-393X         M. G. RESISTOR         39k         1/16W           R76         NRSA63J-393X         M. G. RESISTOR         39k         1/16W           R77         NRSA63J-30ROX         M. G. RESISTOR         33k         1/16W           R79         NRSA63J-10ROX         M. G. RESISTOR         1k         1/16W           R79         NRSA63J-10ROX         M. G. RESISTOR         1b         1/16W           R80         NRSA63J-10RW         M. G. RESISTOR         1b         1/16W           R81         NRSA63J-221X         M. G. RESISTOR         1b         1/16W	R65	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
R68         NFSA63J-333X         M.G. RESISTOR         33k         1/16W           R69         NRSA63D-161X         M.G. RESISTOR         150         1/16W           R71         NRSA63D-161X         M.G. RESISTOR         150         1/16W           R72         NRSA63J-273X         M.G. RESISTOR         22k         1/16W           R73         NRSA63J-222X         M.G. RESISTOR         27k         1/16W           R74         NRSA63J-322X         M.G. RESISTOR         27k         1/16W           R74         NRSA63J-222X         M.G. RESISTOR         27k         1/16W           R74         NRSA63J-393X         M.G. RESISTOR         39k         1/16W           R76         NRSA63J-102X         M.G. RESISTOR         39k         1/16W           R77         NRSA63J-102X         M.G. RESISTOR         1k         1/16W           R79         NRSA63J-102X         M.G. RESISTOR         1k         1/16W           R80         NRSA63J-102X         M.G. RESISTOR         1k         1/16W           R81         NRSA63J-102X         M.G. RESISTOR         1k         1/16W           R82         NRSA63J-31X         M.G. RESISTOR         1k         1/16W <td< td=""><td>R66</td><td>NRSA63J-101X</td><td>M.G.RESISTOR</td><td>100</td><td>1/16W</td></td<>	R66	NRSA63J-101X	M.G.RESISTOR	100	1/16W
Re9         NRSA63D-163X         M.G. RESISTOR         68k         1/16W           R70         NRSA63D-161X         M.G. RESISTOR         150         1/16W           R71         NRSA63D-161X         M.G. RESISTOR         150         1/16W           R72         NRSA63J-223X         M.G. RESISTOR         22k         1/16W           R73         NRSA63J-222X         M.G. RESISTOR         27k         1/16W           R75         NRSA63J-222X         M.G. RESISTOR         2.2k         1/16W           R76         NRSA63J-333X         M.G. RESISTOR         3sk         1/16W           R77         NRSA63J-30X         M.G. RESISTOR         3sk         1/16W           R79         NRSA63J-10X         M.G. RESISTOR         3sk         1/16W           R79         NRSA63J-10X         M.G. RESISTOR         1k         1/16W           R80         NRSA63J-10X         M.G. RESISTOR         1k         1/16W           R81         NRSA63J-10X         M.G. RESISTOR         1k         1/16W           R82         NRSA63J-10X         M.G. RESISTOR         1k         1/16W           R83         NRSA63J-10X         M.G. RESISTOR         20         1/16W           R104	R67	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
Re9         NRSA63D-163X         M.G. RESISTOR         68k         1/16W           R70         NRSA63D-161X         M.G. RESISTOR         150         1/16W           R71         NRSA63D-161X         M.G. RESISTOR         150         1/16W           R72         NRSA63J-223X         M.G. RESISTOR         22k         1/16W           R73         NRSA63J-22XX         M.G. RESISTOR         27k         1/16W           R75         NRSA63J-22XX         M.G. RESISTOR         2.2k         1/16W           R76         NRSA63J-333X         M.G. RESISTOR         3sk         1/16W           R77         NRSA63J-30X         M.G. RESISTOR         3sk         1/16W           R79         NRSA63J-10X         M.G. RESISTOR         3sk         1/16W           R79         NRSA63J-10X         M.G. RESISTOR         1k         1/16W           R80         NRSA63J-10X         M.G. RESISTOR         1k         1/16W           R81         NRSA63J-10X         M.G. RESISTOR         1k         1/16W           R82         NRSA63J-10X         M.G. RESISTOR         1k         1/16W           R83         NRSA63J-10X         M.G. RESISTOR         20         1/16W           R104					
R70         NRSA63D-161X NRSA63D-161X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-222X NRSA63J-393X NRSA63J-393X NRSA63J-393X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X				1	
R71         NRSA63J-151X         M.G. RESISTOR         150         1/16W           R72         NRSA63J-273X         M.G. RESISTOR         22k         1/16W           R73         NRSA63J-22XX         M.G. RESISTOR         27k         1/16W           R75         NRSA63J-22XX         M.G. RESISTOR         30k         1/16W           R76         NRSA63J-333X         M.G. RESISTOR         39k         1/16W           R77         NRSA63J-333X         M.G. RESISTOR         33k         1/16W           R78         NRSA63J-303X         M.G. RESISTOR         33k         1/16W           R79         NRSA63J-10RX         M.G. RESISTOR         0         1/16W           R79         NRSA63J-10RX         M.G. RESISTOR         0         1/16W           R80         NRSA63J-10X         M.G. RESISTOR         10         1/16W           R81         NRSA63J-10X         M.G. RESISTOR         10         1/16W           R82         NRSA63J-221X         M.G. RESISTOR         20         1/16W           R103         NRSA63J-30X         M.G. RESISTOR         20         1/16W           R104         NRSA63J-221X         M.G. RESISTOR         20         1/16W           R10				1	
R72					
R73         NRSA63J-273X         M.G. RESISTOR         27k         1/16W           R74         NRSA63J-0ROX         M.G. RESISTOR         0         1/16W           R75         NRSA63J-222X         M.G. RESISTOR         39k         1/16W           R76         NRSA63J-393X         M.G. RESISTOR         39k         1/16W           R79         NRSA63J-393X         M.G. RESISTOR         33k         1/16W           R79         NRSA63J-10RX         M.G. RESISTOR         12         1/16W           R80         NRSA63J-102X         M.G. RESISTOR         10         1/16W           R81         NRSA63J-102X         M.G. RESISTOR         10         1/16W           R82         NRSA63J-471X         M.G. RESISTOR         470         1/16W           R83         NRSA63J-221X         M.G. RESISTOR         220         1/16W           R103         NRSA63J-221X         M.G. RESISTOR         220         1/16W           R104         NRSA63J-331X         M.G. RESISTOR         39k         1/16W           R104         NRSA63J-101X         M.G. RESISTOR         330         1/16W           R106         NRSA63D-102X         M.G. RESISTOR         330         1/16W				1	
R74					
R75         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R76         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R77         NRSA63J-32XX         M.G.RESISTOR         1k         1/16W           R79         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R80         NRSA63J-102X         M.G.RESISTOR         180         1/16W           R81         NRSA63J-102X         M.G.RESISTOR         180         1/16W           R82         NRSA63J-471X         M.G.RESISTOR         170         1/16W           R83         NRSA63J-221X         M.G.RESISTOR         20         1/16W           R83         NRSA63J-221X         M.G.RESISTOR         20         1/16W           R104         NRSA63J-393X         M.G.RESISTOR         220         1/16W           R103         NRSA63J-473X         M.G.RESISTOR         220         1/16W           R104         NRSA63J-333X         M.G.RESISTOR         330         1/16W           R105         NRSA63J-3220X         M.G.RESISTOR         10         1/16W           R106         NRSA63J-222X         M.G.RESISTOR         10         1/16W           R111 </td <td></td> <td></td> <td></td> <td>I .</td> <td></td>				I .	
R76	117-	7411071000 011071	W.G.MEGIOTOTT		1,1011
R77   NRSA63_1333X   M.G.RESISTOR   33k   1/16W   NRSA63_102X   M.G.RESISTOR   1k   1/16W   NRSA63_19X   M.G.RESISTOR   180   1/16W   NRSA63_19X   M.G.RESISTOR   180   1/16W   R81   NRSA63_1471X   M.G.RESISTOR   180   1/16W   R82   NRSA63_1471X   M.G.RESISTOR   470   1/16W   R82   NRSA63_1471X   M.G.RESISTOR   220   1/16W   R83   NRSA63_1471X   M.G.RESISTOR   220   1/16W   R83   NRSA63_192X   M.G.RESISTOR   220   1/16W   R83   NRSA63_192X   M.G.RESISTOR   220   1/16W   R100   NRSA63_193X   M.G.RESISTOR   39k   1/16W   R101   NRSA63_1473X   M.G.RESISTOR   39k   1/16W   R105   NRSA63_1473X   M.G.RESISTOR   39k   1/16W   R105   NRSA63_1471X   M.G.RESISTOR   39k   1/16W   R105   NRSA63_101X   M.G.RESISTOR   330   1/16W   R107   NRSA63_101X   M.G.RESISTOR   330   1/16W   NRSA63_101X   M.G.RESISTOR   1.5k   1/16W   NRSA63_101X   M.G.RESISTOR   1.5k   1/16W   NRSA63_122X   M.G.RESISTOR   1.5k   1/16W   NRSA63_122X   M.G.RESISTOR   1.5k   1/16W   NRSA63_122X   M.G.RESISTOR   1.5k   1/16W   NRSA63_122X   M.G.RESISTOR   2.2k   1/16W   NRSA63_122X   M.G.RESISTOR   2.2k   1/16W   NRSA63_122X   M.G.RESISTOR   33k   1/16W   NRSA63_123X   M.G.RESISTOR   33k   1/16W   NRSA63_133X   M.G.RESISTOR   33k   1/16W   NRSA63_101X   M.G.RESISTOR   33k   1/16W   NRSA63_101X   M.G.RESISTOR   33k   1/16W   NRSA63_101X   M.G.RESISTOR   33k   1/16W   NRSA63_101X   M.G.RESISTOR   32k   1/16W   NRSA63_100X   M.G.RESISTOR   32k   1/16W   NRSA63_100X   M.G.RESISTOR   32k   1/16W   NRSA63_100X					
R78					
R79	R77		M.G.RESISTOR		1/16W
R80         NRSA63J-191X         M.G.RESISTOR         180         1/16W           R81         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R82         NRSA63J-471X         M.G.RESISTOR         470         1/16W           R83         NRSA63J-221X         M.G.RESISTOR         20         1/16W           R99         NRSA63J-221X         M.G.RESISTOR         220         1/16W           R104         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R104         NRSA63J-333X         M.G.RESISTOR         39k         1/16W           R106         NRSA63J-101X         M.G.RESISTOR         330         1/16W           R106         NRSA63J-101X         M.G.RESISTOR         1.5k         1/16W           R107         NRSA63J-101X         M.G.RESISTOR         1.5k         1/16W           R108         NRSA63J-22X         M.G.RESISTOR         1.5k         1/16W           R109         NRSA63J-333X         M.G.RESISTOR         2.2k         1/16W           R111         NRSA63J-333X         M.G.RESISTOR         33k         1/16W           R111         NRSA63J-333X         M.G.RESISTOR         32k         1/16W           <	R78	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
R81	R79	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R82         NRSA63J-471X         M.G.RESISTOR         470         1/16W           R83         NRSA63J-9R0X         M.G.RESISTOR         0         1/16W           R99         NRSA63J-221X         M.G.RESISTOR         220         1/16W           R100         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R104         NRSA63J-331X         M.G.RESISTOR         39k         1/16W           R106         NRSA63J-101X         M.G.RESISTOR         330         1/16W           R106         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R107         NRSA63J-102X         M.G.RESISTOR         1.5k         1/16W           R108         NRSA63J-22X         M.G.RESISTOR         1.5k         1/16W           R109         NRSA63J-22X         M.G.RESISTOR         2.2k         1/16W           R111         NRSA63J-333X         M.G.RESISTOR         2.2k         1/16W           R111         NRSA63J-333X         M.G.RESISTOR         2.2k         1/16W           R111         NRSA63J-333X         M.G.RESISTOR         2.2k         1/16W           R114         NRSA63J-333X         M.G.RESISTOR         2.2k         1/16W	R80	NRSA63J-181X	M.G.RESISTOR	180	1/16W
RE3	R81	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
RE3	R82	NRSA63J-471X	M.G.RESISTOR	470	1/16W
R99				0	
R103				1 -	
R103					
R104   NRSA63J-473X   M.G.RESISTOR   47k   1/16W   R105   NRSA63J-101X   M.G.RESISTOR   100   1/16W   R107   NRSA63J-101X   M.G.RESISTOR   100   1/16W   R107   NRSA63D-152X   M.G.RESISTOR   1.5k   1/16W   R109   NRSA63D-102X   M.G.RESISTOR   1.5k   1/16W   R109   NRSA63J-220X   M.G.RESISTOR   1.5k   1/16W   R109   NRSA63J-220X   M.G.RESISTOR   22   1/16W   R110   NRSA63J-220X   M.G.RESISTOR   2.2k   1/16W   R111   NRSA63J-333X   M.G.RESISTOR   39k   1/16W   R112   NRSA63J-333X   M.G.RESISTOR   39k   1/16W   R113   NRSA63J-331X   M.G.RESISTOR   33b   1/16W   R114   NRSA63J-101X   M.G.RESISTOR   330   1/16W   R115   NRSA63D-102X   M.G.RESISTOR   100   1/16W   R115   NRSA63D-102X   M.G.RESISTOR   100   1/16W   R116   NRSA63D-102X   M.G.RESISTOR   100   1/16W   R117   NRSA63D-102X   M.G.RESISTOR   12k   1/16W   R118   NRSA63D-102X   M.G.RESISTOR   12k   1/16W   R118   NRSA63D-102X   M.G.RESISTOR   12k   1/16W   R119   NRSA63D-151X   M.G.RESISTOR   12k   1/16W   R120   NRSA63D-151X   M.G.RESISTOR   150   1/16W   R120   NRSA63D-151X   M.G.RESISTOR   150   1/16W   R121   NRSA63D-151X   M.G.RESISTOR   150   1/16W   R121   NRSA63D-123X   M.G.RESISTOR   12k   1/16W   R123   NRSA63J-223X   M.G.RESISTOR   12k   1/16W   R130   NRSA63J-393X   M.G.RESISTOR   100   1/16W   R131   NRSA63J-393X   M.G.RESISTOR   39k   1/16W   R131   NRSA63J-473X   M.G.RESISTOR   39k   1/16W   R131   NRSA63J-473X   M.G.RESISTOR   30k   1/16W   R134   NRSA63J-101X   M.G.RESISTOR   100   1/16W   R134   NRSA63J-101X   M.G.RESISTOR   12k   1/16W   R134   NRSA63J-101X   M.G.RESISTOR   1/16W   R134   NRSA63J-222X   M.G.RESISTOR   1/16W   1/16W   R144   NRSA63J-222X   M.G.RESISTOR   1/16W   1/16W   R144   NRSA63J-00X   M.G.RESISTOR   1/16W   1/16W   R144   NRSA63J-00X   M.G.RESISTOR   1/16W   1/16W   1/16W   1/16W   1/16W   1/16W   1/16W   1/16					
R105					
R106   NRSA63J-101X   M.G.RESISTOR   1.5k   1/16W   R107   NRSA63D-162X   M.G.RESISTOR   1.5k   1/16W   R108   NRSA63J-102X   M.G.RESISTOR   1.5k   1/16W   R109   NRSA63J-220X   M.G.RESISTOR   22   1/16W   R110   NRSA63J-393X   M.G.RESISTOR   2.2k   1/16W   R111   NRSA63J-393X   M.G.RESISTOR   39k   1/16W   R112   NRSA63J-333X   M.G.RESISTOR   33k   1/16W   R113   NRSA63J-331X   M.G.RESISTOR   330   1/16W   R114   NRSA63J-331X   M.G.RESISTOR   330   1/16W   R115   NRSA63J-331X   M.G.RESISTOR   330   1/16W   R116   NRSA63J-101X   M.G.RESISTOR   100   1/16W   R117   NRSA63D-102X   M.G.RESISTOR   100   1/16W   R118   NRSA63J-101X   M.G.RESISTOR   12k   1/16W   R117   NRSA63J-102X   M.G.RESISTOR   12k   1/16W   R118   NRSA63J-220X   M.G.RESISTOR   12k   1/16W   R119   NRSA63J-221X   M.G.RESISTOR   12k   1/16W   R120   NRSA63J-161X   M.G.RESISTOR   12k   1/16W   R121   NRSA63J-223X   M.G.RESISTOR   150   1/16W   R122   NRSA63J-223X   M.G.RESISTOR   12k   1/16W   R123   NRSA63J-223X   M.G.RESISTOR   12k   1/16W   R124   NRSA63J-223X   M.G.RESISTOR   1/16W   R130   NRSA63J-101X   M.G.RESISTOR   1/16W   R131   NRSA63J-331X   M.G.RESISTOR   1/16W   R132   NRSA63J-331X   M.G.RESISTOR   39k   1/16W   R133   NRSA63J-31V   M.G.RESISTOR   1/16W   R134   NRSA63J-31V   M.G.RESISTOR   1/16W   R135   NRSA63J-101X   M.G.RESISTOR   1/16W   R136   NRSA63J-222X   M.G.RESISTOR   1/16W   R137   NRSA63J-22X   M.G.RESISTOR   1/16W   R138   NRSA63J-22X   M.G.RESISTOR   1/16W   R140   NRSA63J-273X   M.G.RESISTOR   1/16W   R141   NRSA63J-0ROX   M.G.RESISTOR   1/16W   R144   NRSA63J-0ROX   M.G.RESISTOR   1/16W   R145   NRSA63J-0ROX   M.G.RESISTOR   1/16W   R146   NRSA63J-223X   M.G.RESISTOR   1/16W   R147   NRSA63J-0ROX   M.G.RESISTOR   1/16W   R148   NRSA63J-0ROX   M.G.RESISTOR   1/16W   R149   NRSA63J-0ROX   M.G.RESISTOR   1/16W   R149   NRSA63J-0ROX   M.G.RESISTOR   1/16W   R149   NRSA63J-0ROX   M.G.RESISTOR   1/16W   R150   NRSA63J-0ROX   M.G.RESISTOR   1/16W   R151   NRSA63J-0ROX   M.G.RESISTOR   1/16W   R152   NRSA63J-0ROX   M.G.RES					
R107   NRSA63D-162X   M.G.RESISTOR   1.5k   1/16W   NRSA63D-102X   M.G.RESISTOR   1k   1/16W   1/16W   NRSA63J-220X   M.G.RESISTOR   22   1/16W   NRSA63J-222X   M.G.RESISTOR   2.2k   1/16W   NRSA63J-393X   M.G.RESISTOR   39k   1/16W   NRSA63J-393X   M.G.RESISTOR   39k   1/16W   NRSA63J-333X   M.G.RESISTOR   33k   1/16W   NRSA63J-310X   M.G.RESISTOR   330   1/16W   NRSA63J-101X   M.G.RESISTOR   330   1/16W   NRSA63J-101X   M.G.RESISTOR   330   1/16W   NRSA63D-102X   M.G.RESISTOR   2.2k   1/16W   NRSA63D-102X   M.G.RESISTOR   100   1/16W   NRSA63J-220X   M.G.RESISTOR   1k   1/16W   1/16W   NRSA63J-220X   M.G.RESISTOR   1k   1/16W   NRSA63J-220X   M.G.RESISTOR   1k   1/16W   NRSA63J-220X   M.G.RESISTOR   12   1/16W   NRSA63J-223X   M.G.RESISTOR   150   1/16W   NRSA63J-223X   M.G.RESISTOR   150   1/16W   NRSA63J-223X   M.G.RESISTOR   150   1/16W   NRSA63J-223X   M.G.RESISTOR   12k   1/16W   NRSA63J-393X   M.G.RESISTOR   22k   1/16W   NRSA63J-393X   M.G.RESISTOR   22k   1/16W   NRSA63J-393X   M.G.RESISTOR   30k   1/16W   1/16					1/16W
R108	R106	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R109	R107	NRSA63D-152X	M.G.RESISTOR	1.5k	1/16W
R110         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R111         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R112         NRSA63J-333X         M.G.RESISTOR         33k         1/16W           R113         NRSA63J-310X         M.G.RESISTOR         330         1/16W           R114         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R115         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R116         NRSA63J-222X         M.G.RESISTOR         12.2k         1/16W           R117         NRSA63J-222X         M.G.RESISTOR         12         1/16W           R118         NRSA63J-222X         M.G.RESISTOR         150         1/16W           R119         NRSA63J-223X         M.G.RESISTOR         150         1/16W           R120         NRSA63J-223X         M.G.RESISTOR         150         1/16W           R121         NRSA63J-223X         M.G.RESISTOR         0         1/16W           R122         NRSA63J-223X         M.G.RESISTOR         0         1/16W           R123         NRSA63J-23X         M.G.RESISTOR         10         1/16W           <	R108	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
R111         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R112         NRSA63J-333X         M.G.RESISTOR         33k         1/16W           R113         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R114         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R115         NRSA63D-102X         M.G.RESISTOR         2.2k         1/16W           R116         NRSA63D-102X         M.G.RESISTOR         2.2k         1/16W           R117         NRSA63J-220X         M.G.RESISTOR         22         1/16W           R118         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R119         NRSA63J-223X         M.G.RESISTOR         150         1/16W           R120         NRSA63J-6R0X         M.G.RESISTOR         150         1/16W           R121         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R122         NRSA63J-393X         M.G.RESISTOR         22k         1/16W           R123         NRSA63J-31X         M.G.RESISTOR         39k         1/16W           R131         NRSA63J-473X         M.G.RESISTOR         300         1/16W	R109	NRSA63J-220X	M.G.RESISTOR	22	1/16W
R112         NRSA63J-333X         M.G.RESISTOR         33k         1/16W           R113         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R114         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R115         NRSA63J-101X         M.G.RESISTOR         2.2k         1/16W           R116         NRSA63D-102X         M.G.RESISTOR         2.2k         1/16W           R117         NRSA63J-220X         M.G.RESISTOR         22         1/16W           R118         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R119         NRSA63J-222X         M.G.RESISTOR         150         1/16W           R120         NRSA63J-151X         M.G.RESISTOR         150         1/16W           R121         NRSA63J-151X         M.G.RESISTOR         150         1/16W           R122         NRSA63J-223X         M.G.RESISTOR         150         1/16W           R122         NRSA63J-101X         M.G.RESISTOR         22k         1/16W           R123         NRSA63J-223X         M.G.RESISTOR         100         1/16W           R131         NRSA63J-331X         M.G.RESISTOR         20         1/16W	R110	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
R113         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R114         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R115         NRSA63D-102X         M.G.RESISTOR         2.2k         1/16W           R116         NRSA63D-102X         M.G.RESISTOR         2.2k         1/16W           R117         NRSA63J-220X         M.G.RESISTOR         22         1/16W           R118         NRSA63J-220X         M.G.RESISTOR         2.2k         1/16W           R119         NRSA63J-220X         M.G.RESISTOR         150         1/16W           R120         NRSA63J-151X         M.G.RESISTOR         150         1/16W           R121         NRSA63J-223X         M.G.RESISTOR         150         1/16W           R122         NRSA63J-101X         M.G.RESISTOR         22k         1/16W           R123         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R130         NRSA63J-473X         M.G.RESISTOR         39k         1/16W           R131         NRSA63J-101X         M.G.RESISTOR         330         1/16W           R132         NRSA63J-47X         M.G.RESISTOR         100         1/16W	R111	NRSA63J-393X	M.G.RESISTOR	39k	1/16W
R113         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R114         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R115         NRSA63D-102X         M.G.RESISTOR         2.2k         1/16W           R116         NRSA63D-102X         M.G.RESISTOR         2.2k         1/16W           R117         NRSA63J-220X         M.G.RESISTOR         22         1/16W           R118         NRSA63J-220X         M.G.RESISTOR         2.2k         1/16W           R119         NRSA63J-220X         M.G.RESISTOR         150         1/16W           R120         NRSA63J-151X         M.G.RESISTOR         150         1/16W           R121         NRSA63J-223X         M.G.RESISTOR         150         1/16W           R122         NRSA63J-101X         M.G.RESISTOR         22k         1/16W           R123         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R130         NRSA63J-473X         M.G.RESISTOR         39k         1/16W           R131         NRSA63J-101X         M.G.RESISTOR         330         1/16W           R132         NRSA63J-47X         M.G.RESISTOR         100         1/16W	D110	NDC AGO L GOOV	M.C. DECISTOR	001	1/16/4/
R114         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R116         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R116         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R117         NRSA63J-220X         M.G.RESISTOR         22         1/16W           R118         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R119         NRSA63J-22X         M.G.RESISTOR         150         1/16W           R120         NRSA63J-151X         M.G.RESISTOR         150         1/16W           R120         NRSA63J-151X         M.G.RESISTOR         150         1/16W           R121         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R121         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R130         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R131         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R131         NRSA63J-333X         M.G.RESISTOR         47k         1/16W           R132         NRSA63J-30X         M.G.RESISTOR         100         1/16W					
R115         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R116         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R117         NRSA63J-220X         M.G.RESISTOR         22         1/16W           R118         NRSA63J-22X         M.G.RESISTOR         22         1/16W           R119         NRSA63J-22X         M.G.RESISTOR         150         1/16W           R120         NRSA63J-151X         M.G.RESISTOR         150         1/16W           R121         NRSA63J-223X         M.G.RESISTOR         150         1/16W           R121         NRSA63J-123X         M.G.RESISTOR         22k         1/16W           R123         NRSA63J-101X         M.G.RESISTOR         22k         1/16W           R129         NRSA63J-393X         M.G.RESISTOR         22k         1/16W           R130         NRSA63J-331X         M.G.RESISTOR         39k         1/16W           R131         NRSA63J-31X         M.G.RESISTOR         47k         1/16W           R132         NRSA63J-12X         M.G.RESISTOR         100         1/16W           R134         NRSA63J-12X         M.G.RESISTOR         1,2k         1/16W <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
R116         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R117         NRSA63J-220X         M.G.RESISTOR         22         1/16W           R118         NRSA63J-222X         M.G.RESISTOR         22         1/16W           R119         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R120         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R121         NRSA63D-161X         M.G.RESISTOR         150         1/16W           R121         NRSA63J-223X         M.G.RESISTOR         150         1/16W           R122         NRSA63J-0R0X         M.G.RESISTOR         22k         1/16W           R123         NRSA63J-101X         M.G.RESISTOR         22k         1/16W           R130         NRSA63J-101X         M.G.RESISTOR         39k         1/16W           R131         NRSA63J-331X         M.G.RESISTOR         39k         1/16W           R132         NRSA63J-331X         M.G.RESISTOR         30         1/16W           R133         NRSA63J-102X         M.G.RESISTOR         100         1/16W           R134         NRSA63J-22X         M.G.RESISTOR         12k         1/16W <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
R117         NRSA63J-220X         M.G.RESISTOR         22         1/16W           R118         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R119         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R120         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R121         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R121         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R122         NRSA63J-90X         M.G.RESISTOR         22k         1/16W           R123         NRSA63J-233X         M.G.RESISTOR         100         1/16W           R130         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R131         NRSA63J-393X         M.G.RESISTOR         330         1/16W           R131         NRSA63J-33X         M.G.RESISTOR         330         1/16W           R132         NRSA63J-33X         M.G.RESISTOR         330         1/16W           R133         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R133         NRSA63J-102X         M.G.RESISTOR         12k         1/16W					
R118         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R119         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R120         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R121         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R122         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R123         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R123         NRSA63J-101X         M.G.RESISTOR         22k         1/16W           R130         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R131         NRSA63J-331X         M.G.RESISTOR         39k         1/16W           R132         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R133         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R134         NRSA63D-122X         M.G.RESISTOR         1.2k         1/16W           R134         NRSA63J-222X         M.G.RESISTOR         1k         1/16W           R141         NRSA63J-273X         M.G.RESISTOR         2.2k         1/16W					
R119         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R120         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R121         NRSA63J-223X         M.G.RESISTOR         150         1/16W           R121         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R122         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R123         NRSA63J-223X         M.G.RESISTOR         100         1/16W           R130         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R131         NRSA63J-331X         M.G.RESISTOR         47k         1/16W           R131         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R132         NRSA63J-31X         M.G.RESISTOR         100         1/16W           R133         NRSA63J-12X         M.G.RESISTOR         1.2k         1/16W           R134         NRSA63D-102X         M.G.RESISTOR         1.2k         1/16W           R135         NRSA63J-22X         M.G.RESISTOR         1k         1/16W           R141         NRSA63J-273X         M.G.RESISTOR         2.2k         1/16W					
R120         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R121         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R122         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R123         NRSA63J-1223X         M.G.RESISTOR         22k         1/16W           R130         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R131         NRSA63J-473X         M.G.RESISTOR         39k         1/16W           R132         NRSA63J-473X         M.G.RESISTOR         47k         1/16W           R133         NRSA63J-101X         M.G.RESISTOR         330         1/16W           R134         NRSA63J-102X         M.G.RESISTOR         100         1/16W           R134         NRSA63D-102X         M.G.RESISTOR         1.2k         1/16W           R135         NRSA63J-22X         M.G.RESISTOR         2.2k         1/16W           R141         NRSA63J-273X         M.G.RESISTOR         2.7k         1/16W           R141         NRSA63J-273X         M.G.RESISTOR         2.7k         1/16W           R142         NRSA63J-273X         M.G.RESISTOR         2.7k         1/16W					
R121         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R122         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R123         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R129         NRSA63J-393X         M.G.RESISTOR         100         1/16W           R130         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R131         NRSA63J-393X         M.G.RESISTOR         330         1/16W           R131         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R132         NRSA63J-31X         M.G.RESISTOR         100         1/16W           R133         NRSA63J-31X         M.G.RESISTOR         100         1/16W           R134         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R135         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R137         NRSA63J-22X         M.G.RESISTOR         2.2k         1/16W           R141         NRSA63J-273X         M.G.RESISTOR         2.7k         1/16W           R142         NRSA63J-273X         M.G.RESISTOR         2.2k         1/16W					
R122         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R123         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R129         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R130         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R131         NRSA63J-331X         M.G.RESISTOR         47k         1/16W           R132         NRSA63J-101X         M.G.RESISTOR         330         1/16W           R133         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R134         NRSA63D-102X         M.G.RESISTOR         100         1/16W           R134         NRSA63D-102X         M.G.RESISTOR         1.2k         1/16W           R135         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R137         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R141         NRSA63J-22X         M.G.RESISTOR         2.2k         1/16W           R142         NRSA63J-20R0X         M.G.RESISTOR         0         1/16W         (E)           R144         NRSA63J-474X         M.G.RESISTOR         2.2k         1/16W					
R123         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R129         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R130         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R131         NRSA63J-473X         M.G.RESISTOR         47k         1/16W           R132         NRSA63J-331X         M.G.RESISTOR         47k         1/16W           R133         NRSA63J-31X         M.G.RESISTOR         330         1/16W           R134         NRSA63J-102X         M.G.RESISTOR         100         1/16W           R134         NRSA63D-102X         M.G.RESISTOR         1.2k         1/16W           R135         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R137         NRSA63J-22X         M.G.RESISTOR         2.2k         1/16W           R141         NRSA63J-22X         M.G.RESISTOR         2.7k         1/16W           R142         NRSA63J-22X         M.G.RESISTOR         0         1/16W           R143         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R144         NRSA63J-474X         M.G.RESISTOR         2.2k         1/16W <t< td=""><td>R121</td><td>NRSA63J-223X</td><td>M.G.RESISTOR</td><td> 22k</td><td>1/16W</td></t<>	R121	NRSA63J-223X	M.G.RESISTOR	22k	1/16W
R123         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R129         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R130         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R131         NRSA63J-473X         M.G.RESISTOR         47k         1/16W           R132         NRSA63J-331X         M.G.RESISTOR         47k         1/16W           R133         NRSA63J-31X         M.G.RESISTOR         330         1/16W           R134         NRSA63J-102X         M.G.RESISTOR         100         1/16W           R134         NRSA63D-102X         M.G.RESISTOR         1.2k         1/16W           R135         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R137         NRSA63J-22X         M.G.RESISTOR         2.2k         1/16W           R141         NRSA63J-22X         M.G.RESISTOR         2.7k         1/16W           R142         NRSA63J-22X         M.G.RESISTOR         0         1/16W           R143         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R144         NRSA63J-474X         M.G.RESISTOR         2.2k         1/16W <t< td=""><td>R122</td><td>NRSA63J-0R0X</td><td>M.G.RESISTOR</td><td>0</td><td>1/16W</td></t<>	R122	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R129         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R130         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R131         NRSA63J-393X         M.G.RESISTOR         47k         1/16W           R131         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R133         NRSA63J-31X         M.G.RESISTOR         100         1/16W           R133         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R134         NRSA63J-102X         M.G.RESISTOR         1.2k         1/16W           R135         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R137         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R141         NRSA63J-273X         M.G.RESISTOR         2.2k         1/16W           R142         NRSA63J-222X         M.G.RESISTOR         0         1/16W           R142         NRSA63J-22X         M.G.RESISTOR         0         1/16W           R144         NRSA63J-80X         M.G.RESISTOR         0         1/16W           R145         NRSA63J-82X         M.G.RESISTOR         2.2k         1/16W	R123		M.G.RESISTOR	22k	
R130         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R131         NRSA63J-473X         M.G.RESISTOR         47k         1/16W           R132         NRSA63J-473X         M.G.RESISTOR         330         1/16W           R132         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R133         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R134         NRSA63J-102X         M.G.RESISTOR         1.2k         1/16W           R135         NRSA63J-102X         M.G.RESISTOR         1.2k         1/16W           R137         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R141         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R142         NRSA63J-20R0X         M.G.RESISTOR         0         1/16W         (E)           R144         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W         (U)           R144         NRSA63J-474X         M.G.RESISTOR         2.2k         1/16W         (U)           R145         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W         (U)           R149         NRSA63J-0R0X <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
R131         NRSA63J-473X         M.G.RESISTOR         47k         1/16W           R132         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R133         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R134         NRSA63D-122X         M.G.RESISTOR         1.2k         1/16W           R135         NRSA63D-102X         M.G.RESISTOR         1.2k         1/16W           R137         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R141         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R142         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R143         NRSA63J-20X         M.G.RESISTOR         0         1/16W         (E)           R144         NRSA63J-474X         M.G.RESISTOR         0         1/16W         (U)           R145         NRSA63J-22X         M.G.RESISTOR         2.2k         1/16W           R146         NRSA63J-22X         M.G.RESISTOR         2.2k         1/16W           R147         NRSA63J-22X         M.G.RESISTOR         0         1/16W           R149         NRSA63J-0R0X         M.G.RESISTOR         470					
R132         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R133         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R134         NRSA63D-122X         M.G.RESISTOR         1.2k         1/16W           R135         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R137         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R141         NRSA63J-273X         M.G.RESISTOR         2.7k         1/16W           R142         NRSA63J-22X         M.G.RESISTOR         2.2k         1/16W           R143         NRSA63J-22X         M.G.RESISTOR         0         1/16W (E)           R144         NRSA63J-9R0X         M.G.RESISTOR         0         1/16W (U)           R145         NRSA63J-9R0X         M.G.RESISTOR         470k         1/16W           R146         NRSA63J-22X         M.G.RESISTOR         2.2k         1/16W           R147         NRSA63J-823X         M.G.RESISTOR         82k         1/16W           R148         NRSA63J-0R0X         M.G.RESISTOR         470         1/16W           R149         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W					
R133         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R134         NRSA63D-122X         M.G.RESISTOR         1.2k         1/16W           R135         NRSA63D-102X         M.G.RESISTOR         1.2k         1/16W           R137         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R141         NRSA63J-273X         M.G.RESISTOR         2.2k         1/16W           R142         NRSA63J-273X         M.G.RESISTOR         2.2k         1/16W           R142         NRSA63J-222X         M.G.RESISTOR         0         1/16W           R143         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R144         NRSA63J-474X         M.G.RESISTOR         470k         1/16W           R145         NRSA63J-474X         M.G.RESISTOR         2.2k         1/16W           R146         NRSA63J-823X         M.G.RESISTOR         82k         1/16W           R147         NRSA63J-823X         M.G.RESISTOR         0         1/16W           R148         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R149         NRSA63J-223X         M.G.RESISTOR         0         1/16W					
R134         NRSA63D-122X         M.G.RESISTOR         1.2k         1/16W           R135         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R137         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R141         NRSA63J-273X         M.G.RESISTOR         2.2k         1/16W           R142         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R142         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W         (E)           R144         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W         (U)           R145         NRSA63J-474X         M.G.RESISTOR         470k         1/16W         (U)           R146         NRSA63J-823X         M.G.RESISTOR         82k         1/16W         (U)           R147         NRSA63J-80X         M.G.RESISTOR         0         1/16W         (E)           R148         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W         (E)           R149         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W         (E)           R150         NRSA63J-223X         M.G.RESISTOR         0         1/16W         (U)					
R135         NRSA63D-102X NRSA63J-222X         M.G.RESISTOR M.G.RESISTOR         1k         1/16W           R141         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R142         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R143         NRSA63J-20R0X         M.G.RESISTOR         0         1/16W (E)           R144         NRSA63J-0ROX         M.G.RESISTOR         0         1/16W (U)           R145         NRSA63J-474X         M.G.RESISTOR         470k         1/16W           R145         NRSA63J-474X         M.G.RESISTOR         2.2k         1/16W           R146         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R147         NRSA63J-223X         M.G.RESISTOR         0         1/16W         (E)           R149         NRSA63J-0R0X         M.G.RESISTOR         470         1/16W         (E)           R149         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W         (E)           R150         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         (U)           R151         NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W         (U)           N					
R137         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R141         NRSA63J-273X         M.G.RESISTOR         27k         1/16W           R142         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R143         NRSA63J-20R0X         M.G.RESISTOR         0         1/16W           R144         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R145         NRSA63J-0R0X         M.G.RESISTOR         470k         1/16W           R146         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R147         NRSA63J-823X         M.G.RESISTOR         82k         1/16W           R148         NRSA63J-90X         M.G.RESISTOR         0         1/16W         (E)           R149         NRSA63J-0R0X         M.G.RESISTOR         470         1/16W         (E)           R150         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W         (U)           R151         NRSA63J-0R0X         M.G.RESISTOR         22k         1/16W         (U)           R151         NRSA63D-752X         M.G.RESISTOR         5.1k         1/16W         (U)           NRSA63D-752X         M.G.RE					
R141         NRSA63J-273X         M.G.RESISTOR         27k         1/16W           R142         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R143         NRSA63J-222X         M.G.RESISTOR         0         1/16W           R144         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R144         NRSA63J-1474X         M.G.RESISTOR         470k         1/16W           R145         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R146         NRSA63J-222X         M.G.RESISTOR         82k         1/16W           R147         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R148         NRSA63J-471X         M.G.RESISTOR         470         1/16W           R150         NRSA63D-471X         M.G.RESISTOR         470         1/16W           R150         NRSA63J-90X         M.G.RESISTOR         22k         1/16W           R151         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R152         NRSA63D-52X         M.G.RESISTOR         7.5k         1/16W           R153         NRSA63D-512X         M.G.RESISTOR         5.1k         1/16W         (E)     <					
R142         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W         (E)           R143         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W         (E)           R144         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W         (U)           R144         NRSA63J-474X         M.G.RESISTOR         470k         1/16W         (U)           R146         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W         (E)           R147         NRSA63J-823X         M.G.RESISTOR         82k         1/16W         (E)           R149         NRSA63J-871X         M.G.RESISTOR         0         1/16W         (E)           R150         NRSA63J-0R0X         M.G.RESISTOR         470         1/16W         (E)           R150         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W         (E)           R151         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         (U)           R152         NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W         (U)           R153         NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W         (E)           R155         NRSA63J-822X					
R143         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W (E)           R144         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W (U)           R145         NRSA63J-9R0X         M.G.RESISTOR         470k         1/16W           R146         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R147         NRSA63J-923X         M.G.RESISTOR         82k         1/16W           R148         NRSA63J-9R0X         M.G.RESISTOR         0         1/16W (E)           R149         NRSA63J-0R0X         M.G.RESISTOR         470         1/16W           R150         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R151         NRSA63J-223X         M.G.RESISTOR         22k         1/16W (U)           R152         NRSA63J-223X         M.G.RESISTOR         22k         1/16W (U)           NRSA63D-512X         M.G.RESISTOR         5.1k         1/16W (U)           NRSA63D-752X         M.G.RESISTOR         5.1k         1/16W (U)           NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W (E)           R155         NRSA63D-682X         M.G.RESISTOR         39k         1/16W           R156         NRSA63D-					
R144         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W (U)           R145         NRSA63J-474X         M.G.RESISTOR         470k         1/16W           R146         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R147         NRSA63J-823X         M.G.RESISTOR         82k         1/16W           R148         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W (E)           R149         NRSA63J-0R0X         M.G.RESISTOR         470         1/16W           R150         NRSA63J-223X         M.G.RESISTOR         0         1/16W           R151         NRSA63J-223X         M.G.RESISTOR         22k         1/16W (U)           R152         NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W (U)           NRSA63D-512X         M.G.RESISTOR         5.1k         1/16W (E)           NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W (U)           NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W (E)           R155         NRSA63D-822X         M.G.RESISTOR         39k         1/16W           R156         NRSA63D-822X         M.G.RESISTOR         6.8k         1/16W           R156         NRSA63D-		NRSA63J-222X	M.G.RESISTOR	2.2k	
R145         NRSA63J-474X         M.G.RESISTOR         470k         1/16W           R146         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R147         NRSA63J-823X         M.G.RESISTOR         82k         1/16W           R148         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R149         NRSA63D-471X         M.G.RESISTOR         470         1/16W           R150         NRSA63D-471X         M.G.RESISTOR         470         1/16W           R150         NRSA63D-471X         M.G.RESISTOR         22k         1/16W           R151         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R152         NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W           R153         NRSA63D-512X         M.G.RESISTOR         5.1k         1/16W         (E)           R153         NRSA63D-752X         M.G.RESISTOR         8.2k         1/16W         (E)           R155         NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W         (E)           R156         NRSA63D-682X         M.G.RESISTOR         6.8k         1/16W           R156         NRSA63D-682X         M.G.RESISTOR		NRSA63J-0R0X	M.G.RESISTOR	0	1/16W (E)
R146         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R147         NRSA63J-823X         M.G.RESISTOR         82k         1/16W           R148         NRSA63J-90R0X         M.G.RESISTOR         0         1/16W         (E)           R149         NRSA63D-471X         M.G.RESISTOR         470         1/16W         (E)           R150         NRSA63D-471X         M.G.RESISTOR         0         1/16W         (E)           R151         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         (U)           R152         NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W         (U)           NRSA63D-512X         M.G.RESISTOR         5.1k         1/16W         (E)           R153         NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W         (U)           NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W         (E)           R155         NRSA63D-682X         M.G.RESISTOR         39k         1/16W           R156         NRSA63D-682X         M.G.RESISTOR         6.8k         1/16W           R157         NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W	R144	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W (U)
R146         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R147         NRSA63J-823X         M.G.RESISTOR         82k         1/16W           R148         NRSA63J-9R0X         M.G.RESISTOR         0         1/16W           R149         NRSA63D-471X         M.G.RESISTOR         470         1/16W           R150         NRSA63D-471X         M.G.RESISTOR         22k         1/16W           R151         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R152         NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W           NRSA63D-512X         M.G.RESISTOR         5.1k         1/16W         (E)           R153         NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W         (U)           NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W         (E)           R155         NRSA63D-682X         M.G.RESISTOR         39k         1/16W           R156         NRSA63D-682X         M.G.RESISTOR         6.8k         1/16W           R157         NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W		NRSA63J-474X	M.G.RESISTOR	470k	1/16W
R148         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W (E)           R149         NRSA63J-0R0X         M.G.RESISTOR         470         1/16W           R150         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R151         NRSA63J-223X         M.G.RESISTOR         22k         1/16W (U)           R152         NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W (U)           NRSA63D-512X         M.G.RESISTOR         5.1k         1/16W (E)           NRSA63D-512X         M.G.RESISTOR         7.5k         1/16W (E)           NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W (E)           NRSA63D-822X         M.G.RESISTOR         39k         1/16W           R155         NRSA63D-682X         M.G.RESISTOR         6.8k         1/16W           R157         NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W	R146	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
R148         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W (E)           R149         NRSA63D-471X         M.G.RESISTOR         470         1/16W           R150         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R151         NRSA63J-223X         M.G.RESISTOR         22k         1/16W (U)           R152         NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W (U)           NRSA63D-512X         M.G.RESISTOR         5.1k         1/16W (E)           NRSA63D-512X         M.G.RESISTOR         7.5k         1/16W (E)           NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W (E)           NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W (E)           NRSA63D-822X         M.G.RESISTOR         6.8k         1/16W           R155         NRSA63D-822X         M.G.RESISTOR         6.8k         1/16W           R157         NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W	R147	NRSA63J-823X	M.G.RESISTOR	82k	1/16W
R149         NRSA63D-471X         M.G.RESISTOR         470         1/16W           R150         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R151         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R152         NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W           NRSA63D-512X         M.G.RESISTOR         5.1k         1/16W           R153         NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W           NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W           R155         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R156         NRSA63D-682X         M.G.RESISTOR         6.8k         1/16W           R157         NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W	R148		M.G.RESISTOR	0	
R150         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R151         NRSA63J-223X         M.G.RESISTOR         22k         1/16W (U)           R152         NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W (U)           R153         NRSA63D-752X         M.G.RESISTOR         5.1k         1/16W (E)           NRSA63D-822X         M.G.RESISTOR         7.5k         1/16W (U)           NRSA63J-393X         M.G.RESISTOR         8.2k         1/16W           R155         NRSA63D-682X         M.G.RESISTOR         39k         1/16W           R156         NRSA63D-682X         M.G.RESISTOR         6.8k         1/16W           R157         NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W	R149	NRSA63D-471X		470	1/16W
R152         NRSA63D-752X NRSA63D-512X         M.G.RESISTOR         7.5k         1/16W (U)           R153         NRSA63D-512X NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W (E)           NRSA63D-822X         M.G.RESISTOR         7.5k         1/16W (U)           NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W (E)           NRSA63D-823X         M.G.RESISTOR         39k         1/16W           R156         NRSA63D-82X         M.G.RESISTOR         6.8k         1/16W           R157         NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W	R150		M.G.RESISTOR	0	
R152         NRSA63D-752X NRSA63D-512X         M.G.RESISTOR         7.5k         1/16W (U)           R153         NRSA63D-512X NRSA63D-752X         M.G.RESISTOR         7.5k         1/16W (E)           NRSA63D-822X         M.G.RESISTOR         7.5k         1/16W (U)           NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W (E)           NRSA63D-823X         M.G.RESISTOR         39k         1/16W           R156         NRSA63D-82X         M.G.RESISTOR         6.8k         1/16W           R157         NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W	R161	NBCV83 F333A	M.G. RESISTOR	224	1/16\\\/ /  11
NRSA63D-512X   M.G.RESISTOR   5.1k   1/16W (E)					
R153         NRSA63D-752X NRSA63D-822X         M.G.RESISTOR M.G.RESISTOR         7.5k         1/16W (U)           R155         NRSA63J-893X         M.G.RESISTOR         39k         1/16W           R156         NRSA63D-682X         M.G.RESISTOR         6.8k         1/16W           R157         NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W	11102				
NRSA63D-822X   M.G.RESISTOR   8.2k   1/16W (E)	R152				
R155         NRSA63J-393X         M.G.RESISTOR         39k         1/16W           R156         NRSA63D-682X         M.G.RESISTOR         6.8k         1/16W           R157         NRSA63D-822X         M.G.RESISTOR         8.2k         1/16W	11103				
R156 NRSA63D-682X M.G.RESISTOR 6.8k 1/16W R157 NRSA63D-822X M.G.RESISTOR 8.2k 1/16W	Dicc				
R157 NRSA63D-822X M.G.RESISTOR 8.2k 1/16W					
1/16W   1/16W   1/16W   1/16W					
1	מפוח	INTISA03D-ZU3X	IVI.G.RESISTOR	ZUK	1/1000

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Symbol No.	Part No.	Part Name	Des	scription
R159	NRSA63J-681X	M.G.RESISTOR	680	1/16W
R160	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
R161	NRSA63J-272X	M.G.RESISTOR	2.7k	1/16W (U)
	NRSA63D-182X	M.G.RESISTOR	1.8k	1/16W (E)
R162	NRSA63J-331X	M.G.RESISTOR	330	1/16W
R163	NRSA63D-510X	M.G.RESISTOR	51	1/16W
R164	NRSA63D-682X	M.G.RESISTOR	6.8k	1/16W
R165	NRSA63D-682X	M.G.RESISTOR	6.8k	1/16W
R167	NRSA63J-153X	M.G.RESISTOR	15k	1/16W
R168	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R169	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R170	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R171 R172	NRSA63J-681X NRSA63J-333X	M.G.RESISTOR M.G.RESISTOR	680 33k	1/16W 1/16W
R173 R201	NRSA63D-391X NRSA63D-151X	M.G.RESISTOR M.G.RESISTOR	390 150	1/16W (E) 1/16W
R202	NRSA63D-151X	M.G.RESISTOR	150	1/16W
R206	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
R207	NRSA63J-393X	M.G.RESISTOR	39k	1/16W
R208	NRSA63J-333X	M.G.RESISTOR	33k	1/16W (U)
	NRSA63J-273X	M.G.RESISTOR	27k	1/16W (E)
R209	NRSA63J-331X	M.G.RESISTOR	330	1/16W
R210	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R211	NRSA63D-182X	M.G.RESISTOR	1.8k	1/16W (U)
	NRSA63D-332X	M.G.RESISTOR	3.3k	1/16W (E)
R212	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
R213	NRSA63J-220X	M.G.RESISTOR	22	1/16W
R214	NRSA63F-1021X	M.G.RESISTOR	1.02k	1/16W
R215	NRSA63D-82R5X	M.G.RESISTOR	82.5	1/16W
R216	NRSA63D-272X	M.G.RESISTOR	2.7k	1/16W
R217	NRSA63J-122X	M.G.RESISTOR	1.2k	1/16W
R218	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R219	NRSA63D-392X	M.G.RESISTOR	3.9k	1/16W
R220	NRSA63J-392X	M.G.RESISTOR	3.9k	1/16W
R221 R222	NRSA63J-682X NRSA63J-102X	M.G.RESISTOR M.G.RESISTOR	6.8k 1k	1/16W 1/16W
R223	NRSA63D-303X	M.G.RESISTOR	30k	1/16W
R224	NRSA63D-103X	M.G.RESISTOR	10k	1/16W
R225	NRSA63J-0R0X	M.G.RESISTOR	o i	1/16W
R226	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R227	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
R228	NRSA63J-221X	M.G.RESISTOR	220	1/16W
R229	NRSA63J-183X	M.G.RESISTOR	18k	1/16W
R230	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R231	NRSA63D-682X	M.G.RESISTOR	6.8k	1/16W
R232	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W (U)
	NRSA63J-103X	M.G.RESISTOR	10k	1/16W <b>(</b> E)
R233	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R234 P225	NRSA63J-101X	M.G.RESISTOR	100	1/16//
R235 R236	NRSA63J-472X NRSA63J-682X	M.G.RESISTOR	4.7k 6.8k	1/16W
R237	NRSA63J-682X	M.G.RESISTOR	147k	1/16W 1/16W
R238	NRSA63J-223X	M.G.RESISTOR	22k	1/16W
R239	NRSA63J-223X NRSA63J-331X	M.G.RESISTOR	330	1/16W
R240	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R241	NRSA63D-272X	M.G.RESISTOR	2.7k	1/16W
R242	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
R243	NRSA63J-220X	M.G.RESISTOR	22	1/16W
	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
R246	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
R247	NRSA63D-123X	M.G.RESISTOR	12k	1/16W
R248	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R249	NRSA63J-223X	M.G.RESISTOR	22k	1/16W
R250	NRSA63J-331X	M.G.RESISTOR	330	1/16W
R251	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R252 R253	NRSA63D-152X NRSA63D-102X	M.G.RESISTOR M.G.RESISTOR	1.5k 1k	1/16W 1/16W
	NRSA63J-220X	M.G.RESISTOR	22	
	NRSA63J-220X NRSA63J-392X	M.G.RESISTOR	3.9k	1/16W
11200	NRSA63J-392X	M.G.RESISTOR	3.9k	1/16W
		LIVI.U.IILUIUIUN	J.J.	1/16W
R256			3 94	1/16\//
R256 R257	NRSA63D-392X NRSA63D-272X	M.G.RESISTOR M.G.RESISTOR	3.9k 2.7k	1/16W 1/16W

R261         NRSA63J-103X         M.G.RESISTOR         10k         17/16W           R262         NRSA63J-103X         M.G.RESISTOR         10k         17/16W           R262         NRSA63J-103X         M.G.RESISTOR         10k         17/16W           R264         NRSA63J-103X         M.G.RESISTOR         10k         17/16W           R266         NRSA63J-151X         M.G.RESISTOR         3.9k         1/16W           R266         NRSA63J-10X         M.G.RESISTOR         150         1/16W           R270         NRSA63J-393X         M.G.RESISTOR         150         1/16W           R271         NRSA63J-303X         M.G.RESISTOR         39k         1/16W (U)           R273         NRSA63J-303X         M.G.RESISTOR         27k         1/16W (E)           R275         NRSA63D-332X         M.G.RESISTOR         100         1/16W (E)           R276         NRSA63D-302X         M.G.RESISTOR         100         1/16W (E)           R277         NRSA63D-302X         M.G.RESISTOR         10         1/16W (E)           R278         NRSA63D-102X         M.G.RESISTOR         10         1/16W           R279         NRSA63D-302X         M.G.RESISTOR         10         1/16W	Symbol No.	Part No.	Part Name	Description
MRSA63J-103X   M. G. RESISTOR   10k   17/16W	R260	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R264         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R264         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R264         NRSA63J-392X         M.G.RESISTOR         150         1/16W           R266         NRSA63J-161X         M.G.RESISTOR         150         1/16W           R271         NRSA63J-122X         M.G.RESISTOR         150         1/16W           R271         NRSA63J-22X         M.G.RESISTOR         32k         1/16W           R272         NRSA63J-323X         M.G.RESISTOR         33k         1/16W         (U)           R273         NRSA63J-31X         M.G.RESISTOR         27k         1/16W         (U)           R276         NRSA63J-31X         M.G.RESISTOR         100         1/16W         (U)           R276         NRSA63D-102X         M.G.RESISTOR         100         1/16W         (U)           R277         NRSA63D-22DX         M.G.RESISTOR         3.3k         1/16W         (U)           R277         NRSA63D-22DX         M.G.RESISTOR         3.3k         1/16W         (U)           R278         NRSA63D-22DX         M.G.RESISTOR         102         1/16W         (U)         (U)		NRSA63J-561X	M.G.RESISTOR	560 1/16W
R264   NRSA63J-302X   NG RESISTOR   150   1/16W   R265   NRSA63D-161X   NG RESISTOR   150   1/16W   R270   NRSA63J-212X   NG RESISTOR   150   1/16W   R271   NRSA63J-393X   NG RESISTOR   39k   1/16W   R272   NRSA63J-393X   NG RESISTOR   39k   1/16W   R273   NRSA63J-273X   NG RESISTOR   37k   1/16W   R273   NRSA63J-101X   NG RESISTOR   37k   1/16W   R273   NRSA63J-101X   NG RESISTOR   37k   1/16W   R275   NRSA63J-101X   NG RESISTOR   37k   1/16W   R275   NRSA63D-102X   NG RESISTOR   37k   1/16W   R276   NRSA63D-102X   NG RESISTOR   37k   1/16W   R277   NRSA63D-102X   NG RESISTOR   37k   1/16W   R278   NRSA63D-102X   NG RESISTOR   37k   1/16W   R278   NRSA63D-102X   NG RESISTOR   37k   1/16W   R278   NRSA63D-27X   NG RESISTOR   1/16W   NG	R262	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R266	R263	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R266         NRSA63D-151X         M. G. RESISTOR         150         1/16W           R276         NRSA63L-151X         M. G. RESISTOR         150         1/16W           R271         NRSA63L-393X         M. G. RESISTOR         39k         1/16W           R272         NRSA63L-393X         M. G. RESISTOR         39k         1/16W           R273         NRSA63L-33X         M. G. RESISTOR         30k         1/16W         (U)           R273         NRSA63L-31X         M. G. RESISTOR         27k         1/16W         (U)           R275         NRSA63L-31X         M. G. RESISTOR         100         1/16W         (U)           R276         NRSA63D-102X         M. G. RESISTOR         3.3k         1/16W         (U)           R276         NRSA63D-220X         M. G. RESISTOR         3.3k         1/16W         (U)           R277         NRSA63D-272X         M. G. RESISTOR         3.3k         1/16W         (U)         (U) </td <td>R264</td> <td>NRSA63J-392X</td> <td>M.G.RESISTOR</td> <td>3.9k 1/16W</td>	R264	NRSA63J-392X	M.G.RESISTOR	3.9k 1/16W
R266			M.G.RESISTOR	150 1/16W
R271   NRSA63J-322X   M. G.RESISTOR   2.2k   1/16W   R271   NRSA63J-333X   M. G.RESISTOR   33k   1/16W   (D)   NRSA63J-333X   M. G.RESISTOR   33k   1/16W   (E)   (E)   NRSA63J-331X   M. G.RESISTOR   33k   1/16W   (E)   (				150 1/16W
R271				
R272   NRSA63J-333X   M. G. RESISTOR   33k   1/16W (U)				
NRSA63J-973X   M. G. RESISTOR   27k   1/16W   EP		1		33k 1/16W (U)
R273			M.G.RESISTOR	27k 1/16W (E)
R275         NRSA63D-192X NG ARESISTOR NG ARESISTOR NRSA63D-332X NG ARESISTOR NRSA63D-322X NG ARESISTOR NRSA63D-102X MG ARESISTOR NRSA63D-102X MG ARESISTOR NRSA63D-102X NG ARESISTOR NRSA63D-103X	R273		M.G.RESISTOR	330 1/16W
R275		NRSA63J-101X	M.G.RESISTOR	100 1/16W
R276	R275	NRSA63D-182X	M.G.RESISTOR	
R277 NRSA63J-220X M.G.RESISTOR 82.5 1/16W NRSA63D-82R5X M.G.RESISTOR 1.2k 1/16W R280 NRSA63D-9272X M.G.RESISTOR 1.2k 1/16W R280 NRSA63J-102X M.G.RESISTOR 1.2k 1/16W R280 NRSA63J-102X M.G.RESISTOR 1.2k 1/16W R282 NRSA63D-9272X M.G.RESISTOR 2.7k 1/16W R283 NRSA63D-92X M.G.RESISTOR 3.9k 1/16W R283 NRSA63D-932X M.G.RESISTOR 3.9k 1/16W R286 NRSA63J-90X M.G.RESISTOR 3.9k 1/16W R286 NRSA63J-90X M.G.RESISTOR 100 1/16W R286 NRSA63J-90X M.G.RESISTOR 0 1/16W NRSA63J-0R0X M.G.RESISTOR 100 1/16W NRSA63J-0R0X M.G.RESISTOR 100 1/16W NRSA63J-0R0X M.G.RESISTOR 0 1/16W NRSA63J-0R0X M.G.RESISTOR 100 1/16W NRSA63J-00X M.G.RESISTOR 100 1/16W NRSA63J-0R0X M.G.RESISTOR 100 1/16W NRSA63J-0X M.G.RESISTOR 100 1/16W NRSA63J-0X M.G.RESISTOR 100 1/16W NRSA63J-0X M.G.RESISTOR 100 1/16W NRSA63J-10X M.G.RESISTOR 100 1/16W NRSA63J-103X M.G.RESISTOR 100 1/16W NRSA63J-183X M.G.RESISTOR 100 1/16W NRSA63J-183X M.G.RESISTOR 100 1/16W NRSA63J-103X M.G.RES		NRSA63D-332X	M.G.RESISTOR	3.3k 1/16W (E)
R279   NRSA63P-021RSX   M.G.RESISTOR   1.02k   1/16W	R276	NRSA63D-102X	M.G.RESISTOR	1k 1/16W
R279   NRSA63P-021RSX   M.G.RESISTOR   1.02k   1/16W	R277	NRSA63,J-220X	M.G.RESISTOR	22 1/16W
R279   NRSA63J-1021X   M. G. RESISTOR   1.02k   1/16W   NRSA63J-102X   M. G. RESISTOR   1.2k   1/16W   NRSA63J-101X   M. G. RESISTOR   1.00   1/16W   R283   NRSA63J-392X   M. G. RESISTOR   1.00   1/16W   R283   NRSA63J-392X   M. G. RESISTOR   3.9k   1/16W   R286   NRSA63J-101X   M. G. RESISTOR   3.9k   1/16W   R286   NRSA63J-101X   M. G. RESISTOR   3.9k   1/16W   R286   NRSA63J-101X   M. G. RESISTOR   1.00   1/16W   R286   NRSA63J-102X   M. G. RESISTOR   0   1/16W   R288   NRSA63J-102X   M. G. RESISTOR   1.00   1/16W   R289   NRSA63J-102X   M. G. RESISTOR   1.00   1/16W   R290   NRSA63J-102X   M. G. RESISTOR   1.00   1/16W   R290   NRSA63J-103X   M. G. RESISTOR   1.00   1/16W   R293   NRSA63J-103X   M. G. RESISTOR   2.2k   1/16W   R293   NRSA63J-103X   M. G. RESISTOR   2.2k   1/16W   R294   NRSA63J-103X   M. G. RESISTOR   1.00   1/16W   R295   NRSA63J-103X   M. G. RESISTOR   1.00   1/16W   R295   NRSA63J-103X   M. G. RESISTOR   1.00   1/16W   R296   NRSA63J-103X   M. G. RESISTOR   1.00   1/16W   R296   NRSA63J-101X   M. G. RESISTOR   1.00   1/16W   R296   NRSA63J-101X   M. G. RESISTOR   1.00   1/16W   R298   NRSA63J-101X   M. G. RESISTOR   1.00   1/16W   R299   NRSA63J-472X   M. G. RESISTOR   1.00   1/16W   R299   NRSA63J-223X   M. G. RESISTOR   1.00   1/16W   R290   NRSA63J-223X   M. G. RESISTOR   1.00   1/16W   R290   NRSA63J-223X   M. G. RESISTOR   1.00   1/16W   R290   NRSA63J-101X   M. G. RESISTOR   1.00   1/16W   R290   NRSA63J-102X   M. G. RESISTOR   1.00   1/16W   NRSA63J				
R280				
R281				
R282   NRSA63J-101X   M.G.RESISTOR   100				
R283				
R286				
R288	D207	NIDSA63 LEGGY	M G RESISTOR	6 8k 1/16\M
R289         NRSA63D-303X         M.G.RESISTOR         30k         1/16W           R290         NRSA63D-103X         M.G.RESISTOR         10k         1/16W           R291         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R292         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R294         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R295         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R296         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R297         NRSA63J-101X         M.G.RESISTOR         10k         1/16W           R298         NRSA63J-682X         M.G.RESISTOR         100         1/16W           R299         NRSA63J-473X         M.G.RESISTOR         4.7k         1/16W           R300         NRSA63J-223X         M.G.RESISTOR         4.7k         1/16W           R303         NRSA63J-331X         M.G.RESISTOR         4.7k         1/16W           R300         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R301         NRSA63D-102X         M.G.RESISTOR         22k         1/16W				
R290         NRSA63D-103X         M.G.RESISTOR         10k         1/16W           R291         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R293         NRSA63J-221X         M.G.RESISTOR         220         1/16W           R294         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R295         NRSA63J-103X         M.G.RESISTOR         10k         1/16W         (E)           NRSA63J-101X         M.G.RESISTOR         10k         1/16W         (E)           R296         NRSA63J-101X         M.G.RESISTOR         100         1/16W         (E)           R297         NRSA63J-101X         M.G.RESISTOR         100         1/16W         (E)           R298         NRSA63J-47ZX         M.G.RESISTOR         100         1/16W         (E)           R301         NRSA63J-473X         M.G.RESISTOR         100         1/16W         (E)           R301         NRSA63J-223X         M.G.RESISTOR         47k         1/16W         (E)         (E) <td></td> <td></td> <td></td> <td></td>				
R291         NRSA63J-221X         M.G.RESISTOR         2.2k         1/16W           R292         NRSA63J-183X         M.G.RESISTOR         120         1/16W           R294         NRSA63J-193X         M.G.RESISTOR         10k         1/16W           R295         NRSA63J-103X         M.G.RESISTOR         3.3k         1/16W         (U)           R296         NRSA63J-101X         M.G.RESISTOR         10k         1/16W         (E)           R297         NRSA63J-101X         M.G.RESISTOR         100         1/16W         (E)           R298         NRSA63J-101X         M.G.RESISTOR         6.8k         1/16W         (E)           R299         NRSA63J-472X         M.G.RESISTOR         4.7k         1/16W         (E)				
R292         NRSA63J-183X         M.G.RESISTOR         120         1/16W           R294         NRSA63J-183X         M.G.RESISTOR         18k         1/16W           R295         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R296         NRSA63J-101X         M.G.RESISTOR         10k         1/16W           R297         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R297         NRSA63J-101X         M.G.RESISTOR         6.8k         1/16W           R297         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R298         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R300         NRSA63J-473X         M.G.RESISTOR         4.7k         1/16W           R301         NRSA63J-233X         M.G.RESISTOR         47k         1/16W           R302         NRSA63J-233X         M.G.RESISTOR         47k         1/16W           R303         NRSA63J-233X         M.G.RESISTOR         47k         1/16W           R304         NRSA63J-20X         M.G.RESISTOR         100         1/16W           R304         NRSA63J-22X         M.G.RESISTOR         10         1/16W				
R293         NRSA63J-183X         M.G.RESISTOR         18k         1/16W           R294         NRSA63J-332X         M.G.RESISTOR         10k         1/16W           R295         NRSA63J-332X         M.G.RESISTOR         10k         1/16W         (U)           R296         NRSA63J-103X         M.G.RESISTOR         10k         1/16W         (E)           R296         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R297         NRSA63J-472X         M.G.RESISTOR         100         1/16W           R298         NRSA63J-472X         M.G.RESISTOR         100         1/16W           R300         NRSA63J-4682X         M.G.RESISTOR         4.7k         1/16W           R300         NRSA63J-473X         M.G.RESISTOR         4.7k         1/16W           R301         NRSA63J-331X         M.G.RESISTOR         22k         1/16W           R302         NRSA63J-331X         M.G.RESISTOR         22k         1/16W           R304         NRSA63J-101X         M.G.RESISTOR         22k         1/16W           R304         NRSA63D-102X         M.G.RESISTOR         10k         1/16W           R306         NRSA63D-102X         M.G.RESISTOR         1k				
R294         NRSA63J-103X         M.G.RESISTOR         3.3k         1/16W           R295         NRSA63J-303X         M.G.RESISTOR         3.3k         1/16W         (U)           R296         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R297         NRSA63J-682X         M.G.RESISTOR         100         1/16W           R299         NRSA63J-472X         M.G.RESISTOR         100         1/16W           R300         NRSA63J-473X         M.G.RESISTOR         6.8k         1/16W           R301         NRSA63J-473X         M.G.RESISTOR         6.8k         1/16W           R302         NRSA63J-223X         M.G.RESISTOR         6.8k         1/16W           R303         NRSA63J-331X         M.G.RESISTOR         22k         1/16W           R303         NRSA63J-21X         M.G.RESISTOR         330         1/16W           R304         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R305         NRSA63J-220X         M.G.RESISTOR         1k         1/16W           R307         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R310         NRSA63J-102X         M.G.RESISTOR         1k         1/16W				
R295         NRSA63J-332X NRSA63J-101X         M.G.RESISTOR M.G.RESISTOR         3.3k         1/16W (U)           R296         NRSA63J-101X         M.G.RESISTOR         10k         1/16W           R297         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R298         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R299         NRSA63J-472X         M.G.RESISTOR         4.7k         1/16W           R300         NRSA63J-473X         M.G.RESISTOR         4.7k         1/16W           R301         NRSA63J-473X         M.G.RESISTOR         47k         1/16W           R301         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R302         NRSA63J-2331X         M.G.RESISTOR         22k         1/16W           R304         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R305         NRSA63D-102X         M.G.RESISTOR         10         1/16W           R307         NRSA63J-220X         M.G.RESISTOR         1k         1/16W           R301         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R310         NRSA63J-102X         M.G.RESISTOR         1k         1/16W				
NRSA63J-103X   M.G.RESISTOR   10k   1/16W   (E)				
R296         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R297         NRSA63D-682X         M.G.RESISTOR         6.8k         1/16W           R298         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R299         NRSA63J-472X         M.G.RESISTOR         4.7k         1/16W           R300         NRSA63J-473X         M.G.RESISTOR         6.8k         1/16W           R301         NRSA63J-223X         M.G.RESISTOR         47k         1/16W           R302         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R303         NRSA63J-233X         M.G.RESISTOR         330         1/16W           R304         NRSA63J-331X         M.G.RESISTOR         100         1/16W           R305         NRSA63D-102X         M.G.RESISTOR         100         1/16W           R306         NRSA63J-220X         M.G.RESISTOR         2.7k         1/16W           R311         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R311         NRSA63J-123X         M.G.RESISTOR         12k         1/16W           R311         NRSA63J-331X         M.G.RESISTOR         12k         1/16W	11233			
R298         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R299         NRSA63J-472X         M.G.RESISTOR         4.7k         1/16W           R300         NRSA63J-473X         M.G.RESISTOR         6.8k         1/16W           R301         NRSA63J-223X         M.G.RESISTOR         47k         1/16W           R302         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R303         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R304         NRSA63J-101X         M.G.RESISTOR         330         1/16W           R304         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R305         NRSA63D-102X         M.G.RESISTOR         2.7k         1/16W           R306         NRSA63D-102X         M.G.RESISTOR         12k         1/16W           R307         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R309         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R311         NRSA63D-122X         M.G.RESISTOR         1k         1/16W           R312         NRSA63J-331X         M.G.RESISTOR         2k         1/16W	R296			
R298         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R299         NRSA63J-472X         M.G.RESISTOR         4.7k         1/16W           R300         NRSA63J-473X         M.G.RESISTOR         6.8k         1/16W           R301         NRSA63J-223X         M.G.RESISTOR         47k         1/16W           R302         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R303         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R304         NRSA63J-101X         M.G.RESISTOR         330         1/16W           R304         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R305         NRSA63D-102X         M.G.RESISTOR         2.7k         1/16W           R306         NRSA63D-102X         M.G.RESISTOR         12k         1/16W           R307         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R309         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R311         NRSA63D-122X         M.G.RESISTOR         1k         1/16W           R312         NRSA63J-331X         M.G.RESISTOR         2k         1/16W	D207	NIDCAGOD GOOV	M.C. DECISTOR	6 OF 1/16/M
R299         NRSA63J-472X         M.G.RESISTOR         4.7k         1/16W           R300         NRSA63J-482X         M.G.RESISTOR         6.8k         1/16W           R301         NRSA63J-473X         M.G.RESISTOR         47k         1/16W           R302         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R303         NRSA63J-231X         M.G.RESISTOR         22k         1/16W           R304         NRSA63J-2101X         M.G.RESISTOR         100         1/16W           R305         NRSA63D-102X         M.G.RESISTOR         100         1/16W           R306         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R307         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R309         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R310         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R311         NRSA63D-123X         M.G.RESISTOR         12k         1/16W           R312         NRSA63J-23X         M.G.RESISTOR         12k         1/16W           R314         NRSA63J-331X         M.G.RESISTOR         12k         1/16W				
R300         NRSA63J-882X         M.G.RESISTOR         6.8k         1/16W           R301         NRSA63J-473X         M.G.RESISTOR         47k         1/16W           R302         NRSA63J-473X         M.G.RESISTOR         22k         1/16W           R303         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R303         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R304         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R305         NRSA63D-102X         M.G.RESISTOR         100         1/16W           R306         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R307         NRSA63J-220X         M.G.RESISTOR         1k         1/16W           R310         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R310         NRSA63J-123X         M.G.RESISTOR         12k         1/16W           R311         NRSA63J-123X         M.G.RESISTOR         12k         1/16W           R312         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R314         NRSA63J-331X         M.G.RESISTOR         22k         1/16W	-			
R301         NRSA63J-473X         M.G.RESISTOR         47k         1/16W           R302         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R303         NRSA63J-223X         M.G.RESISTOR         230         1/16W           R304         NRSA63J-22X         M.G.RESISTOR         100         1/16W           R305         NRSA63D-102X         M.G.RESISTOR         100         1/16W           R306         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R307         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R309         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R310         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R311         NRSA63D-123X         M.G.RESISTOR         1k         1/16W           R311         NRSA63D-123X         M.G.RESISTOR         47k         1/16W           R312         NRSA63J-123X         M.G.RESISTOR         47k         1/16W           R313         NRSA63J-23X         M.G.RESISTOR         47k         1/16W           R314         NRSA63J-331X         M.G.RESISTOR         22k         1/16W				
R302         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R303         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R304         NRSA63J-31X         M.G.RESISTOR         100         1/16W           R304         NRSA63J-21X         M.G.RESISTOR         100         1/16W           R305         NRSA63D-272X         M.G.RESISTOR         2.7k         1/16W           R306         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R307         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R309         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R310         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R311         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R312         NRSA63J-23X         M.G.RESISTOR         47k         1/16W           R313         NRSA63J-331X         M.G.RESISTOR         22k         1/16W           R314         NRSA63J-3101X         M.G.RESISTOR         30         1/16W           R315         NRSA63J-101X         M.G.RESISTOR         1.5k         1/16W <td< td=""><td></td><td></td><td></td><td></td></td<>				
R303         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R304         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R305         NRSA63D-102X         M.G.RESISTOR         2.7k         1/16W           R306         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R307         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R309         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R310         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R311         NRSA63D-102X         M.G.RESISTOR         12k         1/16W           R312         NRSA63D-123X         M.G.RESISTOR         12k         1/16W           R312         NRSA63J-473X         M.G.RESISTOR         12k         1/16W           R314         NRSA63J-331X         M.G.RESISTOR         22k         1/16W           R314         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R315         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R316         NRSA63J-103X         M.G.RESISTOR         1.5k         1/16W				
R304   NRSA63J-101X   M.G.RESISTOR   100   1/16W   R305   NRSA63D-102X   M.G.RESISTOR   2.7k   1/16W   R306   NRSA63D-102X   M.G.RESISTOR   1k   1/16W   R307   NRSA63D-102X   M.G.RESISTOR   1k   1/16W   R310   NRSA63D-102X   M.G.RESISTOR   1k   1/16W   R311   NRSA63D-102X   M.G.RESISTOR   1k   1/16W   R311   NRSA63D-102X   M.G.RESISTOR   1k   1/16W   R312   NRSA63J-223X   M.G.RESISTOR   1/16W   R313   NRSA63J-223X   M.G.RESISTOR   2/2k   1/16W   R314   NRSA63J-331X   M.G.RESISTOR   2/2k   1/16W   R315   NRSA63J-101X   M.G.RESISTOR   330   1/16W   R316   NRSA63J-101X   M.G.RESISTOR   1.5k   1/16W   R316   NRSA63D-152X   M.G.RESISTOR   1.5k   1/16W   R317   NRSA63D-102X   M.G.RESISTOR   1.5k   1/16W   R318   NRSA63D-102X   M.G.RESISTOR   1/16W   R320   NRSA63J-392X   M.G.RESISTOR   3.9k   1/16W   R320   NRSA63J-392X   M.G.RESISTOR   3.9k   1/16W   R321   NRSA63J-392X   M.G.RESISTOR   3.9k   1/16W   R322   NRSA63J-392X   M.G.RESISTOR   3.9k   1/16W   R323   NRSA63J-103X   M.G.RESISTOR   3.9k   1/16W   NRSA63J-103X   M.G.RESISTOR   3.9k   1/16W   NRSA63J-103X   M.G.RESISTOR   3.9k   1/16W   NRSA63J-103X   M.G.RESISTOR   10k   1/16W   1/16W   NRSA63J-103X   M.G.RESISTOR   10k   1/16W				
R305         NRSA63D-272X         M.G.RESISTOR         2.7k         1/16W           R306         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R307         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R309         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R310         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R311         NRSA63D-123X         M.G.RESISTOR         1k         1/16W           R311         NRSA63J-123X         M.G.RESISTOR         12k         1/16W           R312         NRSA63J-123X         M.G.RESISTOR         12k         1/16W           R313         NRSA63J-123X         M.G.RESISTOR         22k         1/16W           R314         NRSA63J-233X         M.G.RESISTOR         22k         1/16W           R315         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R316         NRSA63J-151X         M.G.RESISTOR         1.5k         1/16W           R316         NRSA63J-102X         M.G.RESISTOR         1.5k         1/16W           R317         NRSA63J-392X         M.G.RESISTOR         1k         1/16W				
R306         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R307         NRSA63D-102X         M.G.RESISTOR         22         1/16W           R309         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R310         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R311         NRSA63D-123X         M.G.RESISTOR         12k         1/16W           R312         NRSA63J-123X         M.G.RESISTOR         12k         1/16W           R312         NRSA63J-123X         M.G.RESISTOR         47k         1/16W           R313         NRSA63J-123X         M.G.RESISTOR         22k         1/16W           R314         NRSA63J-231X         M.G.RESISTOR         22k         1/16W           R315         NRSA63J-310X         M.G.RESISTOR         30         1/16W           R316         NRSA63J-102X         M.G.RESISTOR         100         1/16W           R317         NRSA63D-152X         M.G.RESISTOR         1.5k         1/16W           R318         NRSA63J-220X         M.G.RESISTOR         22         1/16W           R319         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           <				
R309				
R309         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R310         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R311         NRSA63D-123X         M.G.RESISTOR         12k         1/16W           R312         NRSA63J-473X         M.G.RESISTOR         47k         1/16W           R313         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R314         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R315         NRSA63J-101X         M.G.RESISTOR         330         1/16W           R315         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R316         NRSA63J-102X         M.G.RESISTOR         100         1/16W           R316         NRSA63D-102X         M.G.RESISTOR         1.5k         1/16W           R317         NRSA63J-220X         M.G.RESISTOR         22         1/16W           R318         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R320         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R321         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W	D207	NDCA63 LOON	M C DECISTOR	22 1/18/8/
R310         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R311         NRSA63D-123X         M.G.RESISTOR         12k         1/16W           R312         NRSA63J-273X         M.G.RESISTOR         47k         1/16W           R312         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R313         NRSA63J-231X         M.G.RESISTOR         22k         1/16W           R314         NRSA63J-31X         M.G.RESISTOR         22k         1/16W           R315         NRSA63J-310X         M.G.RESISTOR         30         1/16W           R316         NRSA63J-161X         M.G.RESISTOR         100         1/16W           R317         NRSA63D-162X         M.G.RESISTOR         1.5k         1/16W           R317         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R318         NRSA63J-220X         M.G.RESISTOR         22         1/16W           R319         NRSA63J-220X         M.G.RESISTOR         3.9k         1/16W           R320         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R321         NRSA63J-272X         M.G.RESISTOR         3.9k         1/16W				
R311         NRSA63D-123X         M.G.RESISTOR         12k         1/16W           R312         NRSA63J-473X         M.G.RESISTOR         47k         1/16W           R313         NRSA63J-473X         M.G.RESISTOR         22k         1/16W           R314         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R314         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R315         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R316         NRSA63J-102X         M.G.RESISTOR         1.5k         1/16W           R317         NRSA63D-102X         M.G.RESISTOR         1.5k         1/16W           R318         NRSA63J-220X         M.G.RESISTOR         12         1/16W           R319         NRSA63J-22X         M.G.RESISTOR         3.9k         1/16W           R320         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R321         NRSA63J-472X         M.G.RESISTOR         4.7k         1/16W           R322         NRSA63J-103X         M.G.RESISTOR         2.7k         1/16W           R324         NRSA63J-103X         M.G.RESISTOR         10k         1/16W				
R312         NRSA63J-473X         M.G.RESISTOR         47k         1/16W           R313         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R314         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R315         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R315         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R316         NRSA63D-152X         M.G.RESISTOR         1.5k         1/16W           R317         NRSA63D-102X         M.G.RESISTOR         1.5k         1/16W           R318         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R319         NRSA63D-102X         M.G.RESISTOR         3.9k         1/16W           R320         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R321         NRSA63J-472X         M.G.RESISTOR         4.7k         1/16W           R322         NRSA63D-272X         M.G.RESISTOR         3.9k         1/16W           R322         NRSA63J-103X         M.G.RESISTOR         2.7k         1/16W           R324         NRSA63J-103X         M.G.RESISTOR         10k         1/16W				
R313         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R314         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R315         NRSA63J-31X         M.G.RESISTOR         100         1/16W           R315         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R316         NRSA63D-152X         M.G.RESISTOR         1.5k         1/16W           R317         NRSA63D-102X         M.G.RESISTOR         1.5k         1/16W           R318         NRSA63J-220X         M.G.RESISTOR         22         1/16W           R319         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R320         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R321         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R322         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R323         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R324         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R325         NRSA63J-103X         M.G.RESISTOR         10k         1/16W		1.		1
R314         NRSA63J-331X         M.G.RESISTOR         330         1/16W           R315         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R316         NRSA63J-152X         M.G.RESISTOR         1.5k         1/16W           R317         NRSA63D-102X         M.G.RESISTOR         1.5k         1/16W           R317         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R318         NRSA63J-220X         M.G.RESISTOR         22         1/16W           R319         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R320         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R321         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R322         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R324         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R325         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R326         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R327         NRSA63J-103X         M.G.RESISTOR         10k         1/16W				
R315         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R316         NRSA63D-152X         M.G.RESISTOR         1.5k         1/16W           R317         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R318         NRSA63J-220X         M.G.RESISTOR         22         1/16W           R319         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R320         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R321         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R322         NRSA63J-392X         M.G.RESISTOR         4.7k         1/16W           R322         NRSA63D-392X         M.G.RESISTOR         3.9k         1/16W           R323         NRSA63D-272X         M.G.RESISTOR         2.7k         1/16W           R324         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R325         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R326         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R327         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W				
R316         NRSA63D-152X         M.G.RESISTOR         1.5k         1/16W           R317         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R318         NRSA63D-102X         M.G.RESISTOR         22         1/16W           R319         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R320         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R321         NRSA63J-472X         M.G.RESISTOR         4.7k         1/16W           R322         NRSA63J-272X         M.G.RESISTOR         3.9k         1/16W           R322         NRSA63D-272X         M.G.RESISTOR         2.7k         1/16W           R324         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R325         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R326         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R327         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R328         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R329         NRSA63D-151X         M.G.RESISTOR         150         1/16W				
R317         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R318         NRSA63J-220X         M.G.RESISTOR         22         1/16W           R319         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R320         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R321         NRSA63J-472X         M.G.RESISTOR         4.7k         1/16W           R322         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R322         NRSA63J-272X         M.G.RESISTOR         3.9k         1/16W           R324         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R325         NRSA63J-103X         M.G.RESISTOR         560         1/16W           R326         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R327         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R328         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R329         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R330         NRSA63D-151X         M.G.RESISTOR         150         1/16W				
R319         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R320         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R321         NRSA63J-472X         M.G.RESISTOR         4.7k         1/16W           R322         NRSA63J-472X         M.G.RESISTOR         4.7k         1/16W           R322         NRSA63J-272X         M.G.RESISTOR         3.9k         1/16W           R323         NRSA63J-103X         M.G.RESISTOR         2.7k         1/16W           R324         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R325         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R327         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R327         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R328         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R329         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R330         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R334         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W <t< td=""><td></td><td></td><td></td><td></td></t<>				
R319         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R320         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R321         NRSA63J-392X         M.G.RESISTOR         4.7k         1/16W           R322         NRSA63J-472X         M.G.RESISTOR         4.7k         1/16W           R322         NRSA63D-272X         M.G.RESISTOR         3.9k         1/16W           R323         NRSA63D-272X         M.G.RESISTOR         2.7k         1/16W           R324         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R325         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R326         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R327         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R328         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R329         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R330         NRSA63D-222X         M.G.RESISTOR         150         1/16W           R334         NRSA63J-293X         M.G.RESISTOR         2.2k         1/16W <t< td=""><td>D210</td><td>NRSA63 L 220V</td><td>M.G. RESISTOR</td><td>22 1/16\\\\</td></t<>	D210	NRSA63 L 220V	M.G. RESISTOR	22 1/16\\\\
R320         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R321         NRSA63J-472X         M.G.RESISTOR         4.7k         1/16W           R322         NRSA63D-392X         M.G.RESISTOR         3.9k         1/16W           R322         NRSA63D-272X         M.G.RESISTOR         2.7k         1/16W           R324         NRSA63D-103X         M.G.RESISTOR         10k         1/16W           R325         NRSA63J-103X         M.G.RESISTOR         560         1/16W           R326         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R327         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R328         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R329         NRSA63D-151X         M.G.RESISTOR         3.9k         1/16W           R330         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R334         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R335         NRSA63J-393X         M.G.RESISTOR         3.9k         1/16W				
R321         NRSA63J-472X         M.G.RESISTOR         4.7k         1/16W           R322         NRSA63D-392X         M.G.RESISTOR         3.9k         1/16W           R323         NRSA63D-272X         M.G.RESISTOR         2.7k         1/16W           R324         NRSA63D-103X         M.G.RESISTOR         10k         1/16W           R325         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R326         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R327         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R328         NRSA63J-103X         M.G.RESISTOR         3.9k         1/16W           R329         NRSA63D-151X         M.G.RESISTOR         3.9k         1/16W           R330         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R334         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R335         NRSA63J-393X         M.G.RESISTOR         39k         1/16W				
R322         NRSA63D-392X         M.G.RESISTOR         3.9k         1/16W           R323         NRSA63D-272X         M.G.RESISTOR         2.7k         1/16W           R324         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R325         NRSA63J-103X         M.G.RESISTOR         560         1/16W           R326         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R327         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R328         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R329         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R330         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R334         NRSA63J-222X         M.G.RESISTOR         150         1/16W           R334         NRSA63J-393X         M.G.RESISTOR         2.2k         1/16W           R335         NRSA63J-393X         M.G.RESISTOR         39k         1/16W				
R323         NRSA63D-272X         M.G.RESISTOR         2.7k         1/16W           R324         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R325         NRSA63J-103X         M.G.RESISTOR         560         1/16W           R326         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R327         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R328         NRSA63J-103X         M.G.RESISTOR         3.9k         1/16W           R329         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R330         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R334         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R335         NRSA63J-393X         M.G.RESISTOR         39k         1/16W				
R324         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R325         NRSA63J-561X         M.G.RESISTOR         560         1/16W           R326         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R327         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R328         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R329         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R330         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R334         NRSA63J-222X         M.G.RESISTOR         150         1/16W           R335         NRSA63J-393X         M.G.RESISTOR         2.2k         1/16W           R335         NRSA63J-393X         M.G.RESISTOR         39k         1/16W				
R325         NRSA63J-561X         M.G.RESISTOR         560         1/16W           R326         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R327         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R328         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R329         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R330         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R334         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R335         NRSA63J-393X         M.G.RESISTOR         39k         1/16W				
R326         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R327         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R328         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R329         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R330         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R334         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R335         NRSA63J-393X         M.G.RESISTOR         39k         1/16W				
R327         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R328         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R329         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R330         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R334         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R335         NRSA63J-393X         M.G.RESISTOR         39k         1/16W				
R328         NRSA63J-392X         M.G.RESISTOR         3.9k         1/16W           R329         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R330         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R334         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R335         NRSA63J-393X         M.G.RESISTOR         39k         1/16W				
R329         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R330         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R334         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R335         NRSA63J-393X         M.G.RESISTOR         39k         1/16W		NIDE ACO LOCAY	M C DECISTOR	2 Ok 1/16/A/
R330 NRSA63D-151X M.G.RESISTOR 150 1/16W R334 NRSA63J-222X M.G.RESISTOR 2.2k 1/16W R335 NRSA63J-393X M.G.RESISTOR 39k 1/16W				
R334 NRSA63J-222X M.G.RESISTOR 2.2k 1/16W R335 NRSA63J-393X M.G.RESISTOR 39k 1/16W				
R335 NRSA63J-393X M.G.RESISTOR 39k 1/16W				
1.000				
	R335 R336	NRSA63J-393X NRSA63J-331X	M.G.RESISTOR	330 1/16W

Symbol No.	Part No.	Part Name	Desc	cription
R337 R338 R339 R340	NRSA63J-333X NRSA63J-101X NRSA63D-122X NRSA63D-102X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	33k 100 1.2k 1k	1/16W 1/16W 1/16W 1/16W
R341 R342 R343 R344 R345 R346 R347 R348 R349 R350	NRSA63J-220X NRSA63D-82R5X NRSA63F-1021X NRSA63J-0R0X NRSA63J-101X NRSA63J-222X NRSA63J-393X NRSA63J-223X NRSA63J-331X NRSA63J-31X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	22 82.5 1.02k 0 100 2.2k 39k 22k 330 100	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R351 R352 R353 R355 R356 R357 R358 R359 R360 R361	NRSA63D-182X NRSA63D-102X NRSA63J-220X NRSA63J-272X NRSA63D-4773X NRSA63D-471X NRSA63J-223X NRSA63J-101X NRSA63J-101X NRSA63J-220X NRSA63J-331X	M.G.RESISTOR	1.8k 1k 22 2.7k 47k 470 22k 100 22 330	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R362 R363 R364 R365 R366 R367 R368 R369 R371 R372	NRSA63D-821X NRSA63J-102X NRSA63D-221X NRSA63D-222X NRSA63J-0R0X NRSA63J-101X NRSA63J-101X NRSA63J-392X NRSA63J-101X NRSA63J-222X	M.G.RESISTOR	820 1k 220 2.2k 0 100 100 3.9k 100 2.2k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R373 R374 R375 R376 R377 R378 R379 R380 R384 R385	NRSA63J-472X NRSA63D-392X NRSA63D-272X NRSA63J-103X NRSA63J-561X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-322X NRSA63D-332X NRSA63D-152X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	4.7k 3.9k 2.7k 10k 560 10k 10k 2.2k 3.3k 1.5k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R386 R387 R388 R389 R390 R391 R392 R393 R394 R395	NRSA63D-681X NRSA63D-332X NRSA63D-182X NRSA63D-562X NRSA63J-182X NRSA63J-274X NRSA63J-683X NRSA63J-222X NRSA63D-471X NRSA63D-471X NRSA63J-103X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	680 3.3k 1.8k 5.6k 1.8k 270k 68k 2.2k 470 10k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R396 R401 R402 R403 R404 R405 R406 R407 R408 R409	NRSA63J-104X NRSA63D-103X NRSA63D-103X NRSA63D-103X NRSA63J-100X NRSA63J-432X NRSA63D-681X NRSA63J-100X NRSA63J-100X NRSA63J-151X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	100k 10k 10k 10k 10 4.3k 680 10 1.8k 150	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R410 R411 R412 R413 R414 R415 R416 R417	NRSA63J-182X NRSA63D-103X NRSA63D-103X NRSA63D-103X NRSA63J-100X NRSA63D-432X NRSA63D-681X NRSA63J-100X NRSA63J-100X NRSA63J-182X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	1.8k 10k 10k 10k 10 4.3k 680 10	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W

[VIDEO]					-	T			
Symbol No.	Part No.	Part Name		Description	Symbol No.	Part No.	Part Name		Description
	NDC 460 L 750V	M.C. DECICEO	7-	2 (2 (2) 2 (		NIDCACO L COOY	M.C. DECICEOR	22	4/40141
R419	NRSA63J-750X	M.G.RESISTOR	75	1/16W	R530	NRSA63J-330X	M.G.RESISTOR	33	1/16W
				1	R531	NRSA63J-330X	M.G.RESISTOR	33	1/16W
R420	NRSA63J-182X	M.G.RESISTOR	1.8k	1/16W	R532	NRSA63J-330X	M.G.RESISTOR	33	1/16W
R421	NRSA63D-103X	M.G.RESISTOR	10k	1/16W	R533	NRSA63J-330X	M.G.RESISTOR	33	1/16W
R422	NRSA63D-103X	M.G.RESISTOR	10k	1/16W	R534	NRSA63J-330X	M.G.RESISTOR	33	1/16W
R423	NRSA63D-103X	M.G.RESISTOR	10k	1/16W	R535	NRSA63J-330X	M.G.RESISTOR	33	1/16W
R424	NRSA63J-100X	M.G.RESISTOR	10	1/16W	R536	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R425	NRSA63D-432X	M.G.RESISTOR	4.3k	1/16W	R537	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
			680	1/16W	R538			47k	
R426	NRSA63D-681X	M.G.RESISTOR			nose	NRSA63J-473X	M.G.RESISTOR	4/K	1/16W
R427	NRSA63J-100X	M.G.RESISTOR	10	1/16W		LIDOLOGI ATTOM			4 (4 - 1) 4 (
R428	NRSA63J-182X	M.G.RESISTOR	1.8k	1/16W	R539	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R429	NRSA63J-750X	M.G.RESISTOR	75	1/16W	R540	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
					R541	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R430	NRSA63J-182X	M.G.RESISTOR	1.8k	1/16W	R542	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R431	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R543	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R432	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R544	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R433	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R545	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R434	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R546	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
	NRSA63J-330X		33	1/16W	R547	NRSA63J-473X		47k	1/16W
R435		M.G.RESISTOR					M.G.RESISTOR		
R436	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R548	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R437	NRSA63J-330X	M.G.RESISTOR	33	1/16W					
R438	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R549	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R439	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R550	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
			1		R551	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R440	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R552	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R441	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W (U)	R553	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R442	NRSA63J-0R0X	M.G.RESISTOR	ő	1/16W (E)	R554	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R443	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R555	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R444	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R556	NRSA63J-330X	M.G.RESISTOR	33	1/16W
R445	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R557	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R446	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R559	NRSA63J-330X	M.G.RESISTOR	33	1/16W
R484	NRSA63J-102X	M.G.RESISTOR	1k	1/16W					
R485	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R560	NRSA63J-750X	M.G.RESISTOR	75	1/16W
R486	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R561	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
					R562	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R488	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R563	NRSA63J-0R0X	M.G.RESISTOR	lo	1/16W
R489	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R564	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R490	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R565	NRSA63J-0R0X	M.G.RESISTOR	o	1/16W
			75					0	
R491	NRSA63J-750X	M.G.RESISTOR		1/16W	R566	NRSA63J-0R0X	M.G.RESISTOR		1/16W
R492	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R567	NRSA63J-750X	M.G.RESISTOR	75	1/16W
R493	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R568	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R494	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R569	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R495	NRSA63J-330X	M.G.RESISTOR	33	1/16W					
R496	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R570	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R497	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R571	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
	1111071000 00071			.,	R572	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R498	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R573	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R499	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R574	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R500	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R575	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R501	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R576	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R502	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R577	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R503	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R578	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R504	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R580	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
R506	NRSA63J-473X	M.G.RESISTOR	47k	1/16W					,
R507	NRSA63J-473X	M.G.RESISTOR	47k	1/16W	R581	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R508	NRSA63J-473X	M.G.RESISTOR	47k	1/16W	R582	NRSA63J-0R0X	M.G.RESISTOR	o	1/16W
11000	11110m000-10A	141.G.11EGIGTON	7/1	1/1044	R583	NRSA63J-0102X		1.	
R509	NID CAROL ATOV	M C PECICTOR	474	1/16/4/			M.G.RESISTOR	1k	1/16W
	NRSA63J-473X	M.G.RESISTOR	47k	1/16W	R584	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
R510	NRSA63J-473X	M.G.RESISTOR	47k	1/16W	R585	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R511	NRSA63J-473X	M.G.RESISTOR	47k	1/16W	R586	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R512	NRSA63J-473X	M.G.RESISTOR	47k	1/16W	R587	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R513	NRSA63J-473X	M.G.RESISTOR	47k	1/16W	R589	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R514	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R590	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R515	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R591	NRSA63J-0R0X	M.G.RESISTOR	o	1/16W
R516	NRSA63J-330X	M.G.RESISTOR	33	1/16W	1			"	., 1011
R517	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R592	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
									.,
R518	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R593	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
				4	R594	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R519	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R595	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R520	NRSA63J-330X	M.G.RESISTOR	33	1/1 <b>6W</b>	R596	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R521	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R597	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R522	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R598	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R523	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R599	NRSA63J-0R0X	M.G.RESISTOR	ő	1/16W
R524	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R602	NRSA63J-392X	M.G.RESISTOR	3.9k	1/16W
R525	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R603	NRSA63J-392X	M.G.RESISTOR	3.9k	1/16W
R526	NRSA63J-330X	M.G.RESISTOR	33	1/16W	1			-	
R527	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R604	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R528	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R605	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
					R606	NRSA63D-681X	M.G.RESISTOR	680	1/16W
R529	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R607	NRSA63J-151X	M.G.RESISTOR	150	1/16W
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Re10	Symbol No.	Part No.	Part Name	Description
R812 NRSA83J-151X R816         MG JRESISTOR 150         17/6W MG JRESISTOR 150		NBSV63 F1E1A	M G RESISTOR	150 1/16W
Re14				
R616         NRSA63J-151X         M. G. RESISTOR         150         1/16W           R612         NRSA63J-161X         M. G. RESISTOR         150         1/16W           R621         NRSA63J-161X         M. G. RESISTOR         160         1/16W           R622         NRSA63J-103X         M. G. RESISTOR         10k         1/16W           R624         NRSA63J-102X         M. G. RESISTOR         10k         1/16W           R626         NRSA63J-102X         M. G. RESISTOR         1k         1/16W           R627         NRSA63J-102X         M. G. RESISTOR         1k         1/16W           R628         NRSA63J-102X         M. G. RESISTOR         1k         1/16W           R629         NRSA63J-22X         M. G. RESISTOR         2         1/16W           R634         NRSA63D-102X         M. G. RESISTOR         2         1/16W           R636         NRSA63D-102X         M. G. RESISTOR         1k         1/16W           R637         NRSA63D-102X         M. G. RESISTOR         1k         1/16W           R640         NRSA63D-102X         M. G. RESISTOR         1k         1/16W           R641         NRSA63D-102X         M. G. RESISTOR         1k         1/16W <td></td> <td></td> <td></td> <td></td>				
R621   NRSA63J-681X				
Re22				150 1/16W
Re24			M.G.RESISTOR	680 1/16W
R824         NRSA83D-102X         M.G. RESISTOR         1.2.         1/16W           R825         NRSA63D-102X         M.G. RESISTOR         1.k         1/16W           R826         NRSA63D-102X         M.G. RESISTOR         1.k         1/16W           R827         NRSA63D-102X         M.G. RESISTOR         1.k         1/16W           R828         NRSA63D-102X         M.G. RESISTOR         1.k         1/16W           R834         NRSA63D-102X         M.G. RESISTOR         1.k         1/16W           R835         NRSA63D-102X         M.G. RESISTOR         1.k         1/16W           R836         NRSA63D-102X         M.G. RESISTOR         1.k         1/16W           R837         NRSA63D-102X         M.G. RESISTOR         1.k         1/16W           R840         NRSA63D-102X         M.G. RESISTOR         1.k         1/16W           R840         NRSA63D-102X         M.G. RESISTOR         1.k         1/16W           R844         NRSA63D-102X         M.G. RESISTOR         1.k         1/16W           R846         NRSA63D-102X         M.G. RESISTOR         1.k         1/16W           R847         NRSA63D-102X         M.G. RESISTOR         1.k         1/16W				
R826         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R827         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R827         NRSA63J-103X         M.G. RESISTOR         2.2k         1/16W           R833         NRSA63J-20X         M.G. RESISTOR         2.2k         1/16W           R834         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R836         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R838         NRSA63D-102X         M.G. RESISTOR         1b         1/16W           R838         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R840         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R841         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R842         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R844         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R846         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R847         NRSA63D-102X         M.G. RESISTOR         1k         1/16W				
Re26				
Re27				
R8529         NRSA63J-103X         M.G. RESISTOR         10k         1/16W           R834         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R835         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R836         NRSA63D-151X         M.G. RESISTOR         1k         1/16W           R839         NRSA63D-102X         M.G. RESISTOR         2 2k         1/16W           R839         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R840         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R840         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R840         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R844         NRSA63D-103X         M.G. RESISTOR         10k         1/16W           R844         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R847         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R848         NRSA63D-102X         M.G. RESISTOR         1k         1/16W           R849         NRSA63D-102X         M.G. RESISTOR         1k         1/16W				
R833         MRSA63L-220X         M.G.RESISTOR         22         1/16W           R834         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R636         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R637         NRSA63D-151X         M.G.RESISTOR         1b         1/16W           R638         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R639         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R640         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R641         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R642         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R643         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R644         NRSA63J-12X         M.G.RESISTOR         1k         1/16W           R648         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R649         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R650         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R651<				
R634         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R635         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R636         NRSA63D-151X         M.G.RESISTOR         2.2k         1/16W           R637         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R639         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R640         NRSA63L-102X         M.G.RESISTOR         10k         1/16W           R641         NRSA63L-102X         M.G.RESISTOR         0         1/16W           R642         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R643         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R644         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R647         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R648         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R650         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R651         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R656<				
R636         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R637         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R639         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R640         NRSA63L-222X         M.G.RESISTOR         1k         1/16W           R640         NRSA63L-103X         M.G.RESISTOR         10k         1/16W           R641         NRSA63D-102X         M.G.RESISTOR         10k         1/16W           R645         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R646         NRSA63D-151X         M.G.RESISTOR         1k         1/16W           R647         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R648         NRSA63D-122X         M.G.RESISTOR         1k         1/16W           R647         NRSA63D-122X         M.G.RESISTOR         1k         1/16W           R658         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R650         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R655         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R65			M.G.RESISTOR	1k 1/16W
R837         MRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R839         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R840         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R842         NRSA63L-103X         M.G.RESISTOR         10k         1/16W           R844         NRSA63D-102X         M.G.RESISTOR         10k         1/16W           R845         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R846         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R847         NRSA63D-102X         M.G.RESISTOR         1b         1/16W           R848         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R850         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R851         NRSA63L-90X         M.G.RESISTOR         1k         1/16W           R855         NRSA63L-90X         M.G.RESISTOR         1k         1/16W           R856         NRSA63L-16X         M.G.RESISTOR         1k         1/16W           R865         NRSA63D-10X         M.G.RESISTOR         1k         1/16W           R856 <td>R635</td> <td>NRSA63D-302X</td> <td>M.G.RESISTOR</td> <td>3k 1/16W</td>	R635	NRSA63D-302X	M.G.RESISTOR	3k 1/16W
Re38				
R639				
R840				
R642				
R644				
R645				1
R646   R647				
R648         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R649         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R650         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R651         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R653         NRSA63J-103X         M.G.RESISTOR         0         1/16W           R655         NRSA63D-102X         M.G.RESISTOR         0         1/16W           R656         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R657         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R658         NRSA63D-102X         M.G.RESISTOR         1.8k         1/16W           R659         NRSA63J-182X         M.G.RESISTOR         1.2k         1/16W           R660         NRSA63D-122X         M.G.RESISTOR         2.2k         1/16W           R661         NRSA63D-102X         M.G.RESISTOR         1.8k         1/16W           R662         NRSA63D-102X         M.G.RESISTOR         1.k         1/16W           R665         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           <			M.G.RESISTOR	3k 1/16W
R649         NRSA63D-102X NRSA63D-102X R650         M.G.RESISTOR NRSA63J-222X M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G				150 1/16W
R650         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R651         NRSA63J-103X         M.G.RESISTOR         2.2k         1/16W           R653         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R655         NRSA63J-00X         M.G.RESISTOR         0         1/16W           R656         NRSA63J-02X         M.G.RESISTOR         1k         1/16W           R657         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R658         NRSA63J-182X         M.G.RESISTOR         1k         1/16W           R659         NRSA63J-182X         M.G.RESISTOR         1.8k         1/16W           R660         NRSA63J-222X         M.G.RESISTOR         150         1/16W           R661         NRSA63J-222X         M.G.RESISTOR         1.50         1/16W           R662         NRSA63J-222X         M.G.RESISTOR         1.50         1/16W           R663         NRSA63J-22X         M.G.RESISTOR         1.8k         1/16W           R664         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R666         NRSA63J-102X         M.G.RESISTOR         1k         1/16W <th< td=""><td></td><td></td><td></td><td></td></th<>				
R651         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R653         NRSA63J-0R0X         M.G.RESISTOR         10k         1/16W           R656         NRSA63D-302X         M.G.RESISTOR         0         1/16W           R657         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R658         NRSA63J-182X         M.G.RESISTOR         1.8k         1/16W           R659         NRSA63J-822X         M.G.RESISTOR         1.8k         1/16W           R660         NRSA63J-822X         M.G.RESISTOR         1.50         1/16W           R661         NRSA63J-822X         M.G.RESISTOR         1.50         1/16W           R662         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R663         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R664         NRSA63J-182X         M.G.RESISTOR         2.2k         1/16W           R665         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R666         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R667         NRSA63J-103X         M.G.RESISTOR         1k         1/16W				
R653         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R656         NRSA63J-302X         M.G.RESISTOR         0         1/16W           R656         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R657         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R658         NRSA63J-182X         M.G.RESISTOR         1.8k         1/16W           R659         NRSA63J-822X         M.G.RESISTOR         1.8k         1/16W           R660         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R661         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R662         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R663         NRSA63D-182X         M.G.RESISTOR         1.8k         1/16W           R664         NRSA63D-102X         M.G.RESISTOR         1.k         1/16W           R666         NRSA63J-202X         M.G.RESISTOR         1.k         1/16W           R667         NRSA63J-002X         M.G.RESISTOR         1.k         1/16W           R672         NRSA63J-103X         M.G.RESISTOR         1.k         1/16W				
R655         NRSA63J-0ROX         M.G.RESISTOR         0         1/16W           R656         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R657         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R658         NRSA63J-182X         M.G.RESISTOR         1.8k         1/16W           R660         NRSA63J-822X         M.G.RESISTOR         1.2k         1/16W           R661         NRSA63J-82X         M.G.RESISTOR         2.2k         1/16W           R662         NRSA63D-12X         M.G.RESISTOR         2.2k         1/16W           R663         NRSA63D-12X         M.G.RESISTOR         2.2k         1/16W           R664         NRSA63D-102X         M.G.RESISTOR         6.8k         1/16W           R665         NRSA63D-102X         M.G.RESISTOR         6.8k         1/16W           R666         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R667         NRSA63J-002X         M.G.RESISTOR         1k         1/16W           R671         NRSA63D-302X         M.G.RESISTOR         1k         1/16W           R672         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           <				
R656         NRSA63D-302X NRSA63D-102X NRSA63J-182X NRSA63J-182X NRSA63J-182X NRSA63J-182X NRSA63J-182X NRSA63J-182X NRSA63J-182X NRSA63J-182X NRSA63J-182X NRSA63J-222X M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR				
R657         NRSA63D-102X         M.G.RESISTOR         11k         1/16W           R658         NRSA63J-182X         M.G.RESISTOR         1.9k         1/16W           R659         NRSA63J-162X         M.G.RESISTOR         1.9k         1/16W           R660         NRSA63D-151X         M.G.RESISTOR         1.50         1/16W           R661         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R662         NRSA63D-182X         M.G.RESISTOR         1.8k         1/16W           R663         NRSA63D-102X         M.G.RESISTOR         1.8k         1/16W           R664         NRSA63D-102X         M.G.RESISTOR         1.8k         1/16W           R665         NRSA63D-102X         M.G.RESISTOR         1.k         1/16W           R666         NRSA63D-102X         M.G.RESISTOR         1.k         1/16W           R667         NRSA63J-00X         M.G.RESISTOR         1.0k         1/16W           R667         NRSA63J-00X         M.G.RESISTOR         1.0k         1/16W           R671         NRSA63J-00X         M.G.RESISTOR         1.k         1/16W           R672         NRSA63D-102X         M.G.RESISTOR         1.k         1/16W				
R658         NRSA63J-182X         M.G.RESISTOR         1.8k         1/16W           R660         NRSA63J-822X         M.G.RESISTOR         8.2k         1/16W           R661         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R661         NRSA63D-122X         M.G.RESISTOR         2.2k         1/16W           R662         NRSA63D-122X         M.G.RESISTOR         2.2k         1/16W           R663         NRSA63D-102X         M.G.RESISTOR         1.8k         1/16W           R664         NRSA63D-102X         M.G.RESISTOR         1.8k         1/16W           R665         NRSA63D-102X         M.G.RESISTOR         1.k         1/16W           R666         NRSA63J-103X         M.G.RESISTOR         1.k         1/16W           R667         NRSA63J-103X         M.G.RESISTOR         1.k         1/16W           R667         NRSA63J-00X         M.G.RESISTOR         1.k         1/16W           R671         NRSA63J-00X         M.G.RESISTOR         1.k         1/16W           R672         NRSA63D-102X         M.G.RESISTOR         1.k         1/16W           R673         NRSA63D-102X         M.G.RESISTOR         1.k         1/16W				
R660         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R661         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R662         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R663         NRSA63D-182X         M.G.RESISTOR         1.8k         1/16W           R664         NRSA63J-82X         M.G.RESISTOR         6.8k         1/16W           R665         NRSA63D-102X         M.G.RESISTOR         6.8k         1/16W           R666         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R667         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R667         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R671         NRSA63J-103X         M.G.RESISTOR         0         1/16W           R672         NRSA63D-102X         M.G.RESISTOR         10k         1/16W           R673         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R674         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R675         NRSA63D-102X         M.G.RESISTOR         2.2k         1/16W				
R661         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R662         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R663         NRSA63D-182X         M.G.RESISTOR         1.8k         1/16W           R664         NRSA63D-182X         M.G.RESISTOR         1.8k         1/16W           R665         NRSA63D-102X         M.G.RESISTOR         1.k         1/16W           R666         NRSA63D-102X         M.G.RESISTOR         1.k         1/16W           R667         NRSA63J-103X         M.G.RESISTOR         1.0k         1/16W           R667         NRSA63J-103X         M.G.RESISTOR         1.0k         1/16W           R667         NRSA63J-103X         M.G.RESISTOR         1.0k         1/16W           R671         NRSA63J-102X         M.G.RESISTOR         1.0k         1/16W           R672         NRSA63D-302X         M.G.RESISTOR         1.k         1/16W           R673         NRSA63D-102X         M.G.RESISTOR         1.k         1/16W           R674         NRSA63J-222X         M.G.RESISTOR         1.k         1/16W           R675         NRSA63J-682X         M.G.RESISTOR         2.2k         1/16W      <	R659	NRSA63J-822X	M.G.RESISTOR	8.2k 1/16W
R662         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R663         NRSA63D-182X         M.G.RESISTOR         1.8k         1/16W           R664         NRSA63J-682X         M.G.RESISTOR         1.8k         1/16W           R665         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R666         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R667         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R667         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R671         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R671         NRSA63J-108X         M.G.RESISTOR         0         1/16W           R671         NRSA63J-080X         M.G.RESISTOR         1k         1/16W           R673         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R674         NRSA63D-122X         M.G.RESISTOR         1k         1/16W           R675         NRSA63J-682X         M.G.RESISTOR         2.2k         1/16W           R677         NRSA63D-102X         M.G.RESISTOR         1k         1/16W	R660			
R663         NRSA63D-182X         M.G.RESISTOR         1.8k         1/16W           R664         NRSA63J-682X         M.G.RESISTOR         6.8k         1/16W           R665         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R666         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R667         NRSA63D-102X         M.G.RESISTOR         10k         1/16W           R667         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R671         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R672         NRSA63J-100X         M.G.RESISTOR         10k         1/16W           R673         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R674         NRSA63D-151X         M.G.RESISTOR         1b         1/16W           R674         NRSA63D-151X         M.G.RESISTOR         2.2k         1/16W           R675         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R676         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R677         NRSA63D-102X         M.G.RESISTOR         1k         1/16W				
R664         NRSA63J-682X         M.G.RESISTOR         6.8k         1/16W           R665         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R666         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R667         NRSA63J-222X         M.G.RESISTOR         1k         1/16W           R669         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R671         NRSA63J-0R0X         M.G.RESISTOR         10k         1/16W           R672         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R673         NRSA63D-302X         M.G.RESISTOR         1k         1/16W           R674         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R675         NRSA63D-122X         M.G.RESISTOR         150         1/16W           R676         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R677         NRSA63D-102X         M.G.RESISTOR         2.2k         1/16W           R678         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R679         NRSA63D-102X         M.G.RESISTOR         1k         1/16W <td< td=""><td></td><td></td><td></td><td></td></td<>				
R665         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R666         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R667         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R669         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R671         NRSA63J-0R0X         M.G.RESISTOR         10k         1/16W           R672         NRSA63J-0R0X         M.G.RESISTOR         10k         1/16W           R673         NRSA63D-302X         M.G.RESISTOR         1k         1/16W           R674         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R675         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R676         NRSA63J-222X         M.G.RESISTOR         6.8k         1/16W           R677         NRSA63D-102X         M.G.RESISTOR         6.8k         1/16W           R678         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R679         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R680         NRSA63J-103X         M.G.RESISTOR         1k         1/16W <t< td=""><td></td><td></td><td></td><td></td></t<>				
R666         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R667         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R667         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R671         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R671         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R671         NRSA63J-00X         M.G.RESISTOR         0         1/16W           R673         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R674         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R675         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R676         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R677         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R678         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R679         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R680         NRSA63J-103X         M.G.RESISTOR         1k         1/16W           R				
R667         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R669         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R671         NRSA63J-0R0X         M.G.RESISTOR         10k         1/16W           R672         NRSA63D-302X         M.G.RESISTOR         0         1/16W           R673         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R674         NRSA63D-151X         M.G.RESISTOR         1b         1/16W           R674         NRSA63D-151X         M.G.RESISTOR         1b         1/16W           R675         NRSA63D-151X         M.G.RESISTOR         1b         1/16W           R676         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R676         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R677         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R679         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R679         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R680         NRSA63J-103X         M.G.RESISTOR         1k         1/16W				
R671         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R672         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R673         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R674         NRSA63D-151X         M.G.RESISTOR         1b0         1/16W           R675         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R676         NRSA63J-222X         M.G.RESISTOR         6.8k         1/16W           R677         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R677         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R678         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R679         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R680         NRSA63J-103X         M.G.RESISTOR         1k         1/16W           R681         NRSA63J-222X         M.G.RESISTOR         0         1/16W           R682         NRSA63J-002X         M.G.RESISTOR         1k         1/16W           R683         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R6				2.2k 1/16W
R672         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R673         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R674         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R675         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R676         NRSA63J-222X         M.G.RESISTOR         6.8k         1/16W           R677         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R678         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R679         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R680         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R681         NRSA63J-103X         M.G.RESISTOR         1k         1/16W           R683         NRSA63J-103X         M.G.RESISTOR         0         1/16W           R684         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R685         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R686         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R68	R669	NRSA63J-103X		10k 1/16W
R673	R671	NRSA63J-0R0X	M.G.RESISTOR	0 1/16W
R674         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R675         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R676         NRSA63J-222X         M.G.RESISTOR         6.8k         1/16W           R676         NRSA63D-222X         M.G.RESISTOR         6.8k         1/16W           R677         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R679         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R680         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R681         NRSA63J-103X         M.G.RESISTOR         2.2k         1/16W           R683         NRSA63J-222X         M.G.RESISTOR         0         1/16W           R684         NRSA63J-002X         M.G.RESISTOR         0         1/16W           R685         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R686         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R686         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R689         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W <t< td=""><td></td><td></td><td></td><td></td></t<>				
R675         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R676         NRSA63J-682X         M.G.RESISTOR         6.8k         1/16W           R677         NRSA63D-682X         M.G.RESISTOR         2.2k         1/16W           R678         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R679         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R680         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R681         NRSA63J-103X         M.G.RESISTOR         1k         1/16W           R683         NRSA63J-103X         M.G.RESISTOR         0         1/16W           R685         NRSA63J-103X         M.G.RESISTOR         0         1/16W           R686         NRSA63J-102X         M.G.RESISTOR         0         1/16W           R687         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R688         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R689         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R690         NRSA63D-751X         M.G.RESISTOR         2.2k         1/16W <td< td=""><td></td><td></td><td></td><td></td></td<>				
R676         NRSA63J-682X         M.G.RESISTOR         6.8k         1/16W           R677         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R678         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R679         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R680         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R681         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R683         NRSA63J-103X         M.G.RESISTOR         2.2k         1/16W           R685         NRSA63J-103X         M.G.RESISTOR         0         1/16W           R686         NRSA63J-0R0X         M.G.RESISTOR         3k         1/16W           R687         NRSA63J-02X         M.G.RESISTOR         3k         1/16W           R687         NRSA63D-102X         M.G.RESISTOR         1b0         1/16W           R689         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R690         NRSA63D-751X         M.G.RESISTOR         2.2k         1/16W           R692         NRSA63D-102X         M.G.RESISTOR         1k         1/16W <t< td=""><td></td><td></td><td></td><td>.,</td></t<>				.,
R677         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R678         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R679         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R680         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R681         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R683         NRSA63J-103X         M.G.RESISTOR         2.2k         1/16W           R685         NRSA63J-103X         M.G.RESISTOR         0         1/16W           R685         NRSA63J-103X         M.G.RESISTOR         0         1/16W           R686         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R685         NRSA63J-0R0X         M.G.RESISTOR         1k         1/16W           R686         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R687         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R689         NRSA63J-682X         M.G.RESISTOR         6.8k         1/16W           R691         NRSA63D-751X         M.G.RESISTOR         2.2k         1/16W           R6				
R678         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R679         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R680         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R681         NRSA63J-222X         M.G.RESISTOR         1k         1/16W           R683         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R685         NRSA63J-103X         M.G.RESISTOR         0         1/16W           R686         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R686         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R688         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R689         NRSA63D-102X         M.G.RESISTOR         150         1/16W           R690         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R691         NRSA63D-751X         M.G.RESISTOR         2.2k         1/16W           R692         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R694         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R				
R679         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R680         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R681         NRSA63D-102X         M.G.RESISTOR         2.2k         1/16W           R683         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R685         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R686         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R687         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R688         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R689         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R689         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R691         NRSA63D-222X         M.G.RESISTOR         6.8k         1/16W           R692         NRSA63D-751X         M.G.RESISTOR         750         1/16W           R693         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R694         NRSA63D-102X         M.G.RESISTOR         1k         1/16W <td< td=""><td></td><td></td><td></td><td></td></td<>				
R681         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R683         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R685         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R686         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R687         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R688         NRSA63D-151X         M.G.RESISTOR         1b         1/16W           R689         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R690         NRSA63J-682X         M.G.RESISTOR         6.8k         1/16W           R691         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R692         NRSA63D-751X         M.G.RESISTOR         750         1/16W           R693         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R694         NRSA63D-102X         M.G.RESISTOR         2.2k         1/16W           R695         NRSA63J-02X         M.G.RESISTOR         10k         1/16W           R699         NRSA63J-302X         M.G.RESISTOR         0         1/16W           <			M.G.RESISTOR	1k 1/16W
R683         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R685         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R686         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R687         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R688         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R689         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R690         NRSA63J-222X         M.G.RESISTOR         6.8k         1/16W           R691         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R692         NRSA63D-751X         M.G.RESISTOR         750         1/16W           R693         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R694         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R695         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R697         NRSA63J-080X         M.G.RESISTOR         0         1/16W           R699         NRSA63D-302X         M.G.RESISTOR         0         1/16W		NRSA63D-102X		1
R685         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R686         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R687         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R688         NRSA63D-151X         M.G.RESISTOR         1b         1/16W           R689         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R690         NRSA63J-682X         M.G.RESISTOR         2.2k         1/16W           R691         NRSA63J-682X         M.G.RESISTOR         2.2k         1/16W           R692         NRSA63D-751X         M.G.RESISTOR         2.2k         1/16W           R693         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R693         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R694         NRSA63J-102X         M.G.RESISTOR         2.2k         1/16W           R695         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R699         NRSA63D-302X         M.G.RESISTOR         0         1/16W           R701         NRSA63D-302X         M.G.RESISTOR         1k         1/16W <t< td=""><td>R681</td><td>NRSA63J-222X</td><td>M.G.RESISTOR</td><td> 2.2k</td></t<>	R681	NRSA63J-222X	M.G.RESISTOR	2.2k
R686         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R687         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R688         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R689         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R690         NRSA63J-882X         M.G.RESISTOR         6.8k         1/16W           R691         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R692         NRSA63D-751X         M.G.RESISTOR         750         1/16W           R693         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R694         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R695         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R697         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R699         NRSA63D-302X         M.G.RESISTOR         0         1/16W           R701         NRSA63D-302X         M.G.RESISTOR         1k         1/16W           NRSA63D-102X         M.G.RESISTOR         1k         1/16W				1
R687         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R688         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R689         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R690         NRSA63J-882X         M.G.RESISTOR         6.8k         1/16W           R691         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R692         NRSA63D-751X         M.G.RESISTOR         750         1/16W           R693         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R694         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R695         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R697         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R699         NRSA63J-302X         M.G.RESISTOR         0         1/16W           R700         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R701         NRSA63D-102X         M.G.RESISTOR         1k         1/16W				
R688         NRSA63D-151X         M.G.RESISTOR         150         1/16W           R689         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R690         NRSA63J-882X         M.G.RESISTOR         6.8k         1/16W           R691         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R692         NRSA63D-751X         M.G.RESISTOR         750         1/16W           R693         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R694         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R695         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R697         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R699         NRSA63D-302X         M.G.RESISTOR         0         1/16W           R700         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           NRO         NRSA63D-102X         M.G.RESISTOR         1k         1/16W				
R689         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R690         NRSA63J-682X         M.G.RESISTOR         6.8k         1/16W           R691         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R692         NRSA63D-751X         M.G.RESISTOR         750         1/16W           R693         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R694         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R695         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R699         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R700         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R701         NRSA63D-102X         M.G.RESISTOR         1k         1/16W				
R690         NRSA63J-682X         M.G.RESISTOR         6.8k         1/16W           R691         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R692         NRSA63D-751X         M.G.RESISTOR         750         1/16W           R693         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R694         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R695         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R699         NRSA63J-0ROX         M.G.RESISTOR         0         1/16W           R700         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R701         NRSA63D-102X         M.G.RESISTOR         1k         1/16W				
R691         NRSA63D-222X         M.G.RESISTOR         2.2k         1/16W           R692         NRSA63D-751X         M.G.RESISTOR         750         1/16W           R693         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R694         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R695         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R697         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R699         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R700         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R701         NRSA63D-102X         M.G.RESISTOR         1k         1/16W				
R692         NRSA63D-751X         M.G.RESISTOR         750         1/16W           R693         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R694         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R695         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R697         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R699         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R700         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R701         NRSA63D-102X         M.G.RESISTOR         1k         1/16W				2.2k 1/16W
R693         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R694         NRSA63D-102X         M.G.RESISTOR         1k         1/16W           R695         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R697         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R699         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R700         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R701         NRSA63D-102X         M.G.RESISTOR         1k         1/16W				750 1/16W
R695         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R697         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R699         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R700         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R701         NRSA63D-102X         M.G.RESISTOR         1k         1/16W		NRSA63D-102X	M.G.RESISTOR	1k 1/16W
R697         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R699         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R700         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R701         NRSA63D-102X         M.G.RESISTOR         1k         1/16W				
R699         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R700         NRSA63D-302X         M.G.RESISTOR         3k         1/16W           R701         NRSA63D-102X         M.G.RESISTOR         1k         1/16W				
R700 NRSA63D-302X M.G.RESISTOR 3k 1/16W NRSA63D-102X M.G.RESISTOR 1k 1/16W				
R701 NRSA63D-102X M.G.RESISTOR 1k 1/16W				

Symbol No.	Part No.	Part Name	Des	cription
R703	NRSA63D-122X	M.G.RESISTOR	1.2k	1/16W
R704	NRSA63D-392X	M.G.RESISTOR	3.9k	1/16W
R705	NRSA63D-182X	M.G.RESISTOR	1.8k	1/16W
R706	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
R707	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R708	NRSA63D-821X	M.G.RESISTOR	820	1/16W
R709	NRSA63D-222X	M.G.RESISTOR	2.2k	1/16W
R710 R711	NRSA63J-222X NRSA63J-222X	M.G.RESISTOR M.G.RESISTOR	2.2k 2.2k	1/16W 1/16W
R712	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
R713	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
R714	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
R716	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R718	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R719	NRSA63D-302X	M.G.RESISTOR	3k	1/16W
R720	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
R721	NRSA63D-151X	M.G.RESISTOR	150	1/16W
R722	NRSA63D-151X	M.G.RESISTOR M.G.RESISTOR	150 150	1/16W 1/16W
R723 R724	NRSA63D-151X NRSA63D-151X	M.G.RESISTOR	150	1/16W
R725	NRSA63D-151X	M.G.RESISTOR	150	1/16W
R726	NRSA63D-151X	M.G.RESISTOR	150	1/16W
R727	NRSA63D-151X	M.G.RESISTOR	150	1/16W
R728	NRSA63D-151X	M.G.RESISTOR	150	1/16W
R729	NRSA63J-223X	M.G.RESISTOR	22k	1/16W
R730	NRSA63J-333X	M.G.RESISTOR	33k	1/16W
R733	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R734	NRSA63D-222X	M.G.RESISTOR	2.2k	1/16W
R735	NRSA63D-222X	M.G.RESISTOR	2.2k	1/16W
R736	NRSA63D-222X	M.G.RESISTOR	2.2k	1/16W 1/16W
R737 R738	NRSA63D-182X NRSA63D-222X	M.G.RESISTOR M.G.RESISTOR	1.8k 2.2k	1/16W
R739	NRSA63D-122X	M.G.RESISTOR	1.2k	1/16W
R740	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R801	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
R802	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
R803	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W
R804	NRSA63J-684X	M.G.RESISTOR	680k	1/16W
R805	NRSA63D-473X	M.G.RESISTOR	47k	1/16W
R806 R807	NRSA63D-472X NRSA63J-184X	M.G.RESISTOR M.G.RESISTOR	4.7k 180k	1/16W 1/16W
R808	NRSA63J-184X	M.G.RESISTOR	180k	1/16VV
R809	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R810	NRSA63J-273X	M.G.RESISTOR	27k	1/16W
R811	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R812	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
R813	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
R814	NRSA63J-680X	M.G.RESISTOR	68	1/16W
R815 R816	NRSA63J-102X NRSA63J-105X	M.G.RESISTOR M.G.RESISTOR	1k 1M	1/16VV 1/16VV
R817	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R819	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R820	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R821	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
R822	NRSA63J-472X	M.G.RESISTOR	4.7k	1/16W
R823	NRSA63D-682X	M.G.RESISTOR	6.8k	1/16W
R824	NRSA63D-331X	M.G.RESISTOR	330	1/16W (U)
	NRSA63D-271X	M.G.RESISTOR	270	1/16W (È)
R825	NRSA63D-682X	M.G.RESISTOR	6.8k	1/16W
R826 R827	NRSA63D-822X NRSA63D-431X	M.G.RESISTOR M.G.RESISTOR	8.2k 430	1/16W 1/16W
R827	NRSA63D-223X	M.G.RESISTOR	22k	1/16VV
R829	NRSA63D-472X	M.G.RESISTOR	4.7k	1/16W
R830	NRSA63D-153X	M.G.RESISTOR	15k	1/16W
R831	NRSA63J-151X	M.G.RESISTOR	150	1/16W
R832	NRSA63J-151X	M.G.RESISTOR	150	1/16W
R833	NRSA63J-333X	M.G.RESISTOR	33k	1/16W
R834	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R835	NRSA63J-122X	M.G.RESISTOR	1.2k	1/16W
R836 R837	NRSA63J-122X NRSA63J-272X	M.G.RESISTOR M.G.RESISTOR	1.2k 2.7k	1/16W 1/16W
	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
R838	HALIOMODO-ZZZZV	INI.U.IILGISION		

R841 R842 R843 R844 R845 R846 R847 R848 R849 R850 R851 R852 R853 R854 R856 R857 R858 R858 R859 R860	Part No.  NRSA63J-272X  NRSA63D-102X  NRSA63D-102X  NRSA63J-32X  NRSA63J-332X  NRSA63J-473X  NRSA63D-473X  NRSA63D-102X  NRSA63D-621X  NRSA63D-621X  NRSA63D-621X  NRSA63D-622X  NRSA63D-632X  NRSA63D-123X  NRSA63D-472X  NRSA63D-153X  NRSA63J-123X  NRSA63J-123X  NRSA63J-123X  NRSA63J-123X  NRSA63J-123X  NRSA63J-123X  NRSA63J-152X  NRSA63J-152X  NRSA63J-152X  NRSA63J-152X  NRSA63J-152X	M.G.RESISTOR	2.7k  1k 1k 3.3k 680k 47k 4.7k 1k 620 6.8k 8.2k 22k 430 4.7k 15k 12k	1/16W
R841 R842 R843 R844 R845 R846 R847 R848 R849 R850 R851 R852 R853 R854 R856 R857 R858 R858 R859 R860	NRSA63D-102X NRSA63D-102X NRSA63J-332X NRSA63J-332X NRSA63J-473X NRSA63D-472X NRSA63D-102X NRSA63D-621X NRSA63D-621X NRSA63D-622X NRSA63D-822X NRSA63D-223X NRSA63D-223X NRSA63D-153X NRSA63J-123X NRSA63J-123X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-152X	M.G.RESISTOR	1k 1k 3.3k 680k 47k 4.7k 1k 620 6.8k 8.2k 22k 430 4.7k 15k 12k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R842 R843 R844 R845 R846 R847 R848 R850 R851 R852 R853 R854 R855 R856 R857 R858 R859 R860	NRSA63D-102X NRSA63J-323X NRSA63J-684X NRSA63J-6473X NRSA63D-472X NRSA63D-102X NRSA63D-621X NRSA63D-621X NRSA63D-622X NRSA63D-822X NRSA63D-223X NRSA63D-431X NRSA63D-153X NRSA63J-123X NRSA63J-123X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-152X	M.G.RESISTOR	1k 3.3k 680k 47k 4.7k 1k 620 6.8k 8.2k 22k 430 4.7k 15k 12k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R843 R844 R845 R846 R847 R848 R849 R850 R851 R852 R853 R854 R856 R857 R858 R858 R859 R860	NRSA63J-332X NRSA63J-684X NRSA63D-473X NRSA63D-472X NRSA63D-621X NRSA63D-621X NRSA63D-622X NRSA63D-822X NRSA63D-223X NRSA63D-431X NRSA63D-472X NRSA63D-153X NRSA63J-123X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-152X	M.G.RESISTOR	3.3k 680k 47k 4.7k 1k 620 6.8k 8.2k 22k 430 4.7k 15k 12k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R844 R845 R846 R847 R847 R848 R849 R850 R851 R852 R853 R854 R856 R856 R856 R857 R858 R858 R859 R860	NRSA63J-684X NRSA63D-473X NRSA63D-472X NRSA63D-102X NRSA63D-621X NRSA63D-621X NRSA63D-622X NRSA63D-822X NRSA63D-223X NRSA63D-431X NRSA63D-472X NRSA63D-153X NRSA63J-123X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-152X	M.G.RESISTOR	680k 47k 4.7k 1.k 620 6.8k 8.2k 22k 430 4.7k 15k 12k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R845 R846 R847 R848 R849 R850 R851 R852 R853 R854 R856 R856 R857 R858 R859 R860	NRSA63D-473X NRSA63D-472X NRSA63D-102X NRSA63D-621X NRSA63D-621X NRSA63D-822X NRSA63D-223X NRSA63D-223X NRSA63D-472X NRSA63D-153X NRSA63J-123X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-152X	M.G.RESISTOR	47k 4.7k 1k 620 6.8k 8.2k 22k 430 4.7k 15k 12k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R845 R846 R847 R848 R849 R850 R851 R852 R853 R854 R855 R856 R856 R857 R858 R858 R858 R858 R858 R858 R858	NRSA63D-473X NRSA63D-472X NRSA63D-102X NRSA63D-621X NRSA63D-621X NRSA63D-822X NRSA63D-223X NRSA63D-223X NRSA63D-472X NRSA63D-153X NRSA63J-123X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-152X	M.G.RESISTOR	4.7k 1k 620 6.8k 8.2k 22k 430 4.7k 15k 12k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R846 R847 R848 R849 R850 R851 R852 R853 R854 R856 R856 R857 R858 R859 R860	NRSA63D-472X NRSA63D-621X NRSA63D-621X NRSA63D-682X NRSA63D-822X NRSA63D-223X NRSA63D-431X NRSA63D-472X NRSA63D-153X NRSA63J-123X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-152X	M.G.RESISTOR	1k 620 6.8k 8.2k 22k 430 4.7k 15k 12k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R847 R848 R849 R850 R851 R852 R853 R854 R855 R856 R857 R858 R859 R860	NRSA63D-102X NRSA63D-621X NRSA63D-622X NRSA63D-822X NRSA63D-223X NRSA63D-431X NRSA63D-472X NRSA63D-153X NRSA63J-123X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-152X	M.G.RESISTOR	1k 620 6.8k 8.2k 22k 430 4.7k 15k 12k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R848 R849 R850 R851 R852 R853 R854 R856 R856 R856 R857 R858 R859 R860	NRSA63D-621X NRSA63D-682X NRSA63D-822X NRSA63D-223X NRSA63D-431X NRSA63D-472X NRSA63D-153X NRSA63J-123X NRSA63J-123X NRSA63J-223X NRSA63J-223X NRSA63J-152X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	620 6.8k 8.2k 22k 430 4.7k 15k 12k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R849 R850 R851 R852 R853 R854 R856 R856 R857 R858 R859 R860	NRSA63D-682X NRSA63D-822X NRSA63D-223X NRSA63D-231X NRSA63D-472X NRSA63D-153X NRSA63J-123X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-152X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	6.8k 8.2k 22k 430 4.7k 15k 12k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R850 R851 R852 R853 R854 R856 R856 R856 R857 R858 R859 R860	NRSA63D-822X NRSA63D-223X NRSA63D-431X NRSA63D-472X NRSA63D-153X NRSA63J-123X NRSA63J-223X NRSA63J-223X NRSA63J-252X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	8.2k 22k 430 4.7k 15k 12k	1/16W 1/16W 1/16W 1/16W 1/16W
R852 R853 R854 R855 R856 R857 R858 R859 R860	NRSA63D-431X NRSA63D-472X NRSA63D-153X NRSA63J-123X NRSA63J-223X NRSA63J-223X NRSA63J-152X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	430 4.7k 15k 12k	1/16W 1/16W 1/16W
R852 R853 R854 R855 R856 R857 R858 R859 R860	NRSA63D-431X NRSA63D-472X NRSA63D-153X NRSA63J-123X NRSA63J-223X NRSA63J-223X NRSA63J-152X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	430 4.7k 15k 12k	1/16W 1/16W 1/16W
R853 R854 R855 R856 R857 R858 R859 R860	NRSA63D-472X NRSA63D-153X NRSA63J-123X NRSA63J-223X NRSA63J-223X NRSA63J-152X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	4.7k 15k 12k	1/16W 1/16W
R854 R855 R856 R857 R858 R859 R860	NRSA63D-153X NRSA63J-123X NRSA63J-223X NRSA63J-223X NRSA63J-152X	M.G.RESISTOR M.G.RESISTOR	15k 12k	1/16W
R855 R856 R857 R858 R859 R860	NRSA63J-123X NRSA63J-223X NRSA63J-223X NRSA63J-152X	M.G.RESISTOR	12k	
R856 R857 R858 R859 R860	NRSA63J-223X NRSA63J-223X NRSA63J-152X			1/16W
R857 R858 R859 R860	NRSA63J-223X NRSA63J-152X	W.G.NEGIOTOTT	22k	1/16W
R858 R859 R860	NRSA63J-152X	M.G.RESISTOR	22k	1/16W
R859 R860		M.G.RESISTOR	1.5k	1/16W
R860				
	NRSA63J-393X	M.G.RESISTOR M.G.RESISTOR	10k 39k	1/16W 1/16W
11004				
	NRSA63J-103X NRSA63J-104X	M.G.RESISTOR M.G.RESISTOR	10k 100k	1/16W 1/16W
	NRSA63J-221X	M.G.RESISTOR	220	1/16W
	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
	NRSA63J-220X	M.G.RESISTOR	22	1/16W
_ 1	NRSA63J-330X	M.G.RESISTOR	33	1/16W
1				
	NRSA63J-123X	M.G.RESISTOR	12k	1/16W
	NRSA63J-223X NRSA63J-223X	M.G.RESISTOR M.G.RESISTOR	22k 22k	1/16W 1/16W
		• ///		.,
	NRSA63J-152X	M.G.RESISTOR	1.5k	1/16W
	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R873	NRSA63J-393X	M.G.RESISTOR	39k	1/16W
R874	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R875	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R876	NRSA63J-221X	M.G.RESISTOR	220	1/16W
	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
_	NRSA63J-220X	M.G.RESISTOR	22	1/16W
	NRSA63J-330X	M.G.RESISTOR	33	1/16W
R881	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W
	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W
	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W
	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
_	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
	NRSA63J-221X	M.G.RESISTOR	220	1/16W
	NRSA63J-221X	M.G.RESISTOR	220	1/16W
R890	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
R895	NRSA63J-220X	M.G.RESISTOR	22	1/16W
R896	NRSA63J-220X	M.G.RESISTOR	22	1/16W
R897	NRSA63J-220X	M.G.RESISTOR	22	1/16W
R898	NRSA63J-220X	M.G.RESISTOR	22	1/16W
	NRSA63J-220X	M.G.RESISTOR	22	1/16W
	NRSA63J-223X	M.G.RESISTOR	22k	1/16W
R902	NRSA63J-333X	M.G.RESISTOR	  33k	1/16W
	NRSA63J-223X	M.G.RESISTOR	22k	1/16W
		M.G.RESISTOR	i .	
	NRSA63J-333X		33k	1/16W
	NRSA63J-221X	M.G.RESISTOR	220	1/16W
	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
	NRSA63D-102X	M.G.RESISTOR	1k	1/16W
R909	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W
R911	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W
R912	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W

Symbol No.	Part No.	Part Name	De	scription
R913 R914 R915 R918 R919 R920 R922 R1010 R1011	NRSA63D-102X NRSA63J-0R0X NRSA63J-221X NRSA63J-102X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-101X NRSA63J-103X NRSA63J-0R0X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	1k 0 220 1k 0 0 100 10k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R1012 R1013 R1014 R1015 R1016 R1017 R1018 R1019 R1020 R1021	NRSA63J-333X NRSA63J-103X NRSA63J-330X NRSA63J-330X NRSA63J-104X NRSA63J-330X NRSA63J-330X NRSA63J-30X NRSA63J-100X NRSA63J-100X NRSA63J-100X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	33k 10k 33 33 100k 33 33 10	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R1022 R1023 R1024 R1025 R1026 R1027 R1028 R1029 R1032 R1033	NRSA63J-100X NRSA63J-103X NRSA63J-103X NRSA63J-223X NRSA63J-100X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-330X NRSA63J-0R0X NRSA63J-0R0X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	10 10k 10k 22k 10 22k 22k 22k 33 0	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
VR602 VR603 VR604 VR605 VR606 VR608	NVP1416-101X NVP1416-101X NVP1416-101X NVP1416-101X NVP1416-101X NVP1416-101X	TRIM.RESISTOR TRIM.RESISTOR TRIM.RESISTOR TRIM.RESISTOR TRIM.RESISTOR TRIM.RESISTOR	100 100 100 100 100 100	LINE Y Y/C Y Y/C C CPN Y CPN B-Y CPN R-Y
RA401 RA402 RA403 RA404 RA405 RA406	NRZ0015-0R0X NRZ0015-0R0X NRZ0015-0R0X NRZ0015-0R0X NRZ0015-0R0X NRZ0015-0R0X	RESISTOR ARRAY RESISTOR ARRAY RESISTOR ARRAY RESISTOR ARRAY RESISTOR ARRAY RESISTOR ARRAY	0 0 0 0	
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10	NCB31CK-104X NCB31CK-104X NEH90JM-476X NEH90JM-476X NCB31CK-104X NCB31CK-104X NEH90JM-476X NCB31CK-104X NEH90JM-476X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR E.CAPACITOR E.CAPACITOR CER.CAPACITOR CER.CAPACITOR E.CAPACITOR CER.CAPACITOR E.CAPACITOR CER.CAPACITOR E.CAPACITOR CER.CAPACITOR	0.1 0.1 47 47 0.1 0.1 47 0.1 47 0.1	16V 16V 6.3V 6.3V 16V 6.3V 16V 6.3V
C11 C12 C13 C14 C15 C16 C17 C18 C19 C20	NEH90JM-476X NDC31HJ-150X NEH90JM-476X NEH90JM-476X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X	E.CAPACITOR CER.CAPACITOR E.CAPACITOR E.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR	47 15p 47 47 0.1 0.1 0.1 0.1 0.1	6.3V 50V 6.3V 6.3V 16V 6.3V 16V 16V
C21 C22 C23 C24 C25 C26 C27 C28 C29	NCB31CK-104X NDC31HJ-102X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR E.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR	0.1 1000p 0.1 0.1 0.1 0.1 47 0.1	16V 50V 16V 16V 16V 6.3V 16V

Symbol No.	Part No.	Part Name	Description
C30	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C31	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C32	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C33	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C34	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C35	NEH91CM-106X	E.CAPACITOR	10 16V
C36	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C37	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C38	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C39	NEH90JM-476X	E.CAPACITOR	47 6.3V
C40	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C41	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C42	NEH90JM-476X	E.CAPACITOR	47 6.3V
C43	NDC31HJ-100X	CER.CAPACITOR	10p 50V (U)
	NDC31HJ-8R0X	CER.CAPACITOR	8p 50V (E)
C44	NDC31HJ-120X	CER.CAPACITOR	12p 50V
C45	NDC31HJ-220X	CER.CAPACITOR	22p 50V (U)
	NDC31HJ-150X	CER.CAPACITOR	15p 50V (E)
C46	NDC31HJ-180X	CER.CAPACITOR	18p 50V
C48	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C49	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C50	NEH90JM-476X	E.CAPACITOR	47 6.3V
C51	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C52	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C53	NEH90JM-476X	E.CAPACITOR	47 6.3V
C54	NDC31HJ-100X	CER.CAPACITOR	10p 50V (U)
	NDC31HJ-8R0X	CER.CAPACITOR	8p 50V (E)
C55	NDC31HJ-120X	CER.CAPACITOR	12p 50V
C57	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C58	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C59	NEH90JM-476X	E.CAPACITOR	47 6.3V
C60	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C61	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C62	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C63	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C64	NEH90JM-476X	E.CAPACITOR	47 6.3V
C65	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C66	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C67	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C68	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C93	NEH91CM-106X	E.CAPACITOR	10 16V
C94	NEH91CM-106X	E.CAPACITOR	10 16V
C95	NDC31HJ-220X	CER.CAPACITOR	22p 50V
C96	NDC31HJ-220X	CER.CAPACITOR	22p 50V
C97	NEH90JM-476X	E.CAPACITOR	47 6.3V
C98	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C99	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C100	NEH90JM-476X	E.CAPACITOR	47 6.3V
C101	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C102	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C103	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C104	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C105	NEH90JM-476X	E.CAPACITOR	47 6.3V
C106	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C107	NEH90JM-476X	E.CAPACITOR	47 6.3V
C107	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C108	NDC31HJ-101X	CER.CAPACITOR	100p 50V
C1109	NEH90JM-476X	E.CAPACITOR	47 6.3V
C110	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C111	NCB31CK-104X	CER.CAPACITOR	0.1 16V 0.1 16V
	NEH90JM-476X	E.CAPACITOR	47 6.3V
C123			22 16V
C125	NBE51CM-226X	TAN.CAPACITOR	10 10V
C126 C127	NCB11AK-106X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR	0.1 16V
C128	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C128	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C130	NCB31CK-104X	CER.CAPACITOR	0.1 16V 0.1 16V
C131	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C132	NCB31CK-104X	CER.CAPACITOR	0.1 16V 0.1 16V
C133	NEH90JM-476X	E.CAPACITOR	47 6.3V
	NEH91CM-106X	E.CAPACITOR	10 16V
C135	NBE21CM-335X	TAN.CAPACITOR	3.3 16V
C136	NBE21CM-105X	TAN.CAPACITOR	1 16V
C137	MDLZ ICIVI-105A	IAN.OAFACITOR	. 100

	Symbol No.	Part No.	Part Name	Description	
	C138	NBE21EM-474X	TAN.CAPACITOR	0.47 25	5V
	C139	NCB31CK-473X	CER.CAPACITOR	0.047	3V
- 1	C140	NCB31CK-473X	CER.CAPACITOR	0.047	3V
-1	C141	NCB31CK-104X	CER.CAPACITOR	0.1	6V
-1	C142	NDC31HJ-102X	CER.CAPACITOR	1000p 50	VC
-1	C143	NCB31CK-104X	CER.CAPACITOR	0.1	3V
١	C144	NCB31CK-104X	CER.CAPACITOR		3V
١	C145	NCB31CK-104X	CER.CAPACITOR		3V
١	C146	NCB31CK-473X	CER.CAPACITOR		3V (U)
١		NCB31AK-154X	CER.CAPACITOR		OV (E)
	C147 C148	NCB31HK-103X NEH90JM-476X	CER.CAPACITOR E.CAPACITOR	0.01 50 47 6.3	3V 3V
-	C149	NCB31CK-104X	CER.CAPACITOR	0.1	6V
١	C150	NBE51AM-476X	TAN.CAPACITOR		VC
١	C151	NDC31HJ-150X	CER.CAPACITOR	15p 50	V
١	C152	NDC31HJ-102X	CER.CAPACITOR	1000p 50	OV.
١	C153	NDC31HJ-100X	CER.CAPACITOR		ΟV
	C154	NCB31CK-104X	CER.CAPACITOR		3V
ŀ	C155	NCB31CK-104X	CER.CAPACITOR		SV
ł	C156	NCB31CK-104X	CER.CAPACITOR		3V
	C201	NCB31CK-104X	CER.CAPACITOR		3V
	C202	NCB31CK-104X	CER.CAPACITOR	0.1	5V
- 1	C203	NEH90JM-476X	E.CAPACITOR	47 6.3	
	C204	NCB31CK-104X	CER.CAPACITOR	***	SV.
-	C205	NCB31CK-104X	CER.CAPACITOR		3V
-	C206	NEX50JM-566X	E.CAPACITOR	56 6.3	
-	C208	NCB31CK-104X	CER.CAPACITOR	1	3V
-	C209	NCB31CK-104X	CER.CAPACITOR E.CAPACITOR	0.1 16 47 6.3	5V
-	C210 C211	NEH90JM-476X NDC31HJ-220X	CER.CAPACITOR	1	OV
-	C212	NCB31CK-104X	CER.CAPACITOR		ŠV
	C213	NCB31CK-104X	CER.CAPACITOR		SV
	C214	NEH91CM-476X	E.CAPACITOR	47 16	3V
- 1	C217	NCB31CK-104X	CER.CAPACITOR		SV.
- 1	C218	NCB31CK-104X	CER.CAPACITOR		3V
4	C219	NCB31CK-104X	CER.CAPACITOR		8V
- 1	C220	NCB31CK-104X	CER.CAPACITOR		5V
- 1	C221	NDC31HJ-102X	CER.CAPACITOR		0V 8V
- 1	C222 C223	NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR		SV
- 1	C223	NCB31CK-104X	CER.CAPACITOR		SV
	C225	NCB31HK-103X	CER.CAPACITOR		ρν
	C226	NCB31HK-103X	CER.CAPACITOR		ov
- 1	C227	NEH90JM-476X	E.CAPACITOR	47 6.3	
- 1	C228	NDC31HJ-220X	CER.CAPACITOR	22p 50	
- 1	C229	NEH90JM-476X	E.CAPACITOR	47 6.3	
- 1	C230	NDC31HJ-220X	CER.CAPACITOR		)V
- 1	C231 C232	NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR		3V
	C232	NCB31CK-104X	CER.CAPACITOR		3V 3V
-	C234	NCB11AK-225X	CER.CAPACITOR	1 - 1 - 1 - 1 - 1	)V
	C235	NCB31CK-104X	CER.CAPACITOR		SV
	C236	NCB31CK-104X	CER.CAPACITOR		SV.
- [	C237	NCB31CK-104X	CER.CAPACITOR		3V
	C238	NEH90JM-476X	E.CAPACITOR	47 6.3	
	C240	NCB31CK-104X	CER.CAPACITOR		SV.
-	C241	NCB31CK-104X	CER.CAPACITOR		5V
-	C242	NEX50JM-566X	E.CAPACITOR	56 6.3	
١	C243 C244	NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR		5V 5V
- 1	C244	NEH90JM-476X	E.CAPACITOR	47 6.3	
-	C246	NCB31CK-104X	CER.CAPACITOR		SV
	C247	NCB31CK-104X	CER.CAPACITOR		SV
	C248	NEH91CM-476X	E.CAPACITOR		SV
	C251	NCB31CK-104X	CER.CAPACITOR		SV.
	C252	NCB31CK-104X	CER.CAPACITOR		SV.
	C253	NCB31CK-104X	CER.CAPACITOR		SV
	C254	NCB31CK-104X	CER.CAPACITOR		SV
	C255 C256	NDC31HJ-102X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR	1000p 50	
	C256 C257	NCB31CK-104X	CER.CAPACITOR		SV SV
	C257	NCB31CK-104X	CER.CAPACITOR		SV S

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Symbol No.	Part No.	Part Name		Description	No.	Part No.	Part Name		Description
C259	NCB31HK-103X	CER.CAPACITOR	0.01	50V	C419	NEH91CM-106X	E.CAPACITOR	10	16V
	NCB31HK-103X		0.01	50V	C420	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C260		CER.CAPACITOR							
C261	NEH90JM-476X	E.CAPACITOR	47	6.3V	C421	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C262	NDC31HJ-220X	CER.CAPACITOR	22p	50V	C422	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C263	NEH90JM-476X	E.CAPACITOR	47	6.3V	C425	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C264	NDC31HJ-220X	CER.CAPACITOR	22p	50V	C426	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C265	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C427	NEH90JM-476X	E.CAPACITOR	47	6.3V
C266	NCB11AK-225X	CER.CAPACITOR	2.2	10V ·					
C267	NCB31CK-104X	CER,CAPACITOR	0.1	16V	C428	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C268	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C429	NCB31CK-104X	CER.CAPACITOR	0.1	16V
0200	NODOTOK-104X	CERCON ACTION	10.1		C430	NCB31CK-104X	CER.CAPACITOR	0.1	16V
		055 01510505		401					
C269	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C431	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C270	NEH90JM-476X	E.CAPACITOR	47	6.3V	C432	NEH91CM-106X	E.CAPACITOR	10	16V
C272	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C433	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C273	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C434	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C274	NEX50JM-566X	E.CAPACITOR	56	6.3V	C435	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C275	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C444	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C276	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C445	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C277	NEH90JM-476X	E.CAPACITOR	47	6.3V					
C278	NDC31HJ-1R0X	CER.CAPACITOR	1p	50V	C446	NEH90JM-476X	E.CAPACITOR	47	6.3V
			0.1	16V	C447	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C279	NCB31CK-104X	CER.CAPACITOR	0.1	100					
					C448	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C280	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C450	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C281	NEH91CM-476X	E.CAPACITOR	47	16V	C451	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C282	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C452	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C283	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C453	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C284	NEH90JM-476X	E.CAPACITOR	47	6.3V	C454	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C285	NDC31HJ-1R0X	CER.CAPACITOR	1p	50V	C455	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C286	NEH90JM-476X	E.CAPACITOR	47	6.3V	C456	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C287	NDC31HJ-150X	CER.CAPACITOR	15p	50V					
C288	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C457	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C289	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C458	NCB31CK-104X	CER.CAPACITOR	0.1	16V
				I	C459	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C290	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C460	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C291	NCB11AK-106X	CER.CAPACITOR	10	10V	C461	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C292		CER.CAPACITOR	0.1	16V	C462	NCB31CK-104X	CER.CAPACITOR	0.1	16V
	NCB31CK-104X								
C293	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C463	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C294	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C464	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C296	NCB11AK-106X	CER.CAPACITOR	10	10V	C465	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C298	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C466	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C299	NCB31CK-104X	CER.CAPACITOR	0.1	16V	0.00			1	
			47		C467	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C313	NEH90JM-476X	E.CAPACITOR		6.3V					
C314	NDC31HJ-560X	CER.CAPACITOR	56p	50V	C468	NCB31CK-104X	CER.CAPACITOR	0.1	16V
					C469	NEH90JM-476X	E.CAPACITOR	47	6.3V
C315	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C470	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C316	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C471	NCB31CK-104X	CER.CAPACITOR	0.1	16V
			47	6.3V	C472	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C317	NEH90JM-476X	E.CAPACITOR							
C318	NDC31HJ-220X	CER.CAPACITOR	22p	50V	C473	NDC31HJ-221X	CER.CAPACITOR	220p	50V
C319	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C474	NDC31HJ-221X	CER.CAPACITOR	220p	50V
C320	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C475	NDC31HJ-471X	CER.CAPACITOR	470p	50V
C321	NDC31HJ-100X	CER.CAPACITOR	10p	50V	C476	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C322	NCB31CK-104X	CER.CAPACITOR	0.1	16V	0470	TABOOTTIO 121X	CERCOAL ACTION	1200	501
					0.00		000 01010000		
C323	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C477	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C324	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C478	NDC31HJ-121X	CER.CAPACITOR	120p	50V
				I	C479	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C325	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C480	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C326		CER.CAPACITOR	100p	50V (U)	C481	NDC31HJ-121X	CER.CAPACITOR		50V
	NDC31HJ-101X							120p	
C327	NDC31HJ-101X	CER.CAPACITOR	100p	50V (U)	C482	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C328	NDC31HJ-221X	CER.CAPACITOR	220p	50V	C483	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C329	NDC31HJ-221X	CER.CAPACITOR	220p	50V	C484	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C332	NDC31HJ-150X	CER.CAPACITOR	15p	50V (U)	C485	NDC31HJ-121X	CER.CAPACITOR	120p	50V
				50V (U)		NDC31HJ-121X			50V
C333	NDC31HJ-150X	CER.CAPACITOR	15p		C486	INDCO IND-12 IX	CER.CAPACITOR	120p	201
C401	NCB31CK-104X	CER.CAPACITOR	0.1	16V	1 .				
C402	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C487	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C403	NEH90JM-476X	E.CAPACITOR	47	6.3V	C488	NDC31HJ-121X	CER.CAPACITOR	120p	50V
- 100			1.7		C500	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C404	NODOLCK 104V	CER CARACITOR	0.4	4607					
C404	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C501	NDC31HJ-221X	CER.CAPACITOR	220p	50V
C405	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C502	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C406	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C503	NDC31HJ-121X	CER.CAPACITOR	120p	50V
	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C504	NDC31HJ-121X	CER.CAPACITOR	120p	50V
CAO7	NEH91CM-106X			16V		NCB31CK-104X			
C407	LINE H91C/VI-TO6X	E.CAPACITOR	10		C601		CER.CAPACITOR	0.1	16V
C408		CER.CAPACITOR	0.1	16V	C602	NCB31CK-104X	CER.CAPACITOR	0.1	16V
	NCB31CK-104X		0.1	. 16V	C603	NCB11AK-106X	CER.CAPACITOR	10	10V
C408		CER.CAPACITOR		16V	1	1		1	
C408 C409 C410	NCB31CK-104X NCB31CK-104X								
C408 C409 C410 C411	NCB31CK-104X NCB31CK-104X NCB31CK-104X	CER.CAPACITOR	0.1		CENE	NCB31CK 104V	CER CADACITOR	0.1	101/
C408 C409 C410 C411 C414	NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR	0.1 0.1	16V	C605	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C408 C409 C410 C411	NCB31CK-104X NCB31CK-104X NCB31CK-104X	CER.CAPACITOR	0.1		C606	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C408 C409 C410 C411 C414	NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR	0.1 0.1	16V					
C408 C409 C410 C411 C414 C415	NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR	0.1 0.1 0.1	16V 16V	C606 C608	NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR	0.1 0.1	16V 16V
C408 C409 C410 C411 C414 C415	NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR	0.1 0.1 0.1 0.1	16V 16V	C606 C608 C609	NCB31CK-104X NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR	0.1 0.1 0.1	16V 16V 16V
C408 C409 C410 C411 C414 C415	NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR	0.1 0.1 0.1	16V 16V	C606 C608	NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR	0.1 0.1	16V 16V

Symbol No.	Part No.	Part Name	Description
C613	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C614	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C615	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C616	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C617	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C618	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C619	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C620	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C621	NCB31CK-104X	CER.CAPACITOR	0.1 16V 0.1 16V
C622	NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR	0.1 16V 0.1 16V
C623 C624	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C625	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C626	NEH90JM-476X	E.CAPACITOR	47 6.3V
C627	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C628	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C629	NEH90JM-476X	E.CAPACITOR	47 6.3V
C630	NDC31HJ-100X	CER.CAPACITOR	10p 50V
C631	NDC31HJ-180X	CER.CAPACITOR	18p 50V
C632	NDC31HJ-180X	CER.CAPACITOR	18p 50V 47 6.3V
C633	NEH90JM-476X NDC31HJ-100X	E.CAPACITOR CER.CAPACITOR	47 6.3V 10p 50V
C636 C637	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C638	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C639	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C640	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C641	NEH90JM-476X	E.CAPACITOR	47 6.3V
C642	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C643	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C644	NEH90JM-476X	E.CAPACITOR	47 6.3V
C645	NDC31HJ-100X NDC31HJ-180X	CER.CAPACITOR	10p 50V 18p 50V
C646 C647	NDC31HJ-180X	CER.CAPACITOR	18p 50V
C648	NEH90JM-476X	E.CAPACITOR	47 6.3V
C649	NDC31HJ-100X	CER.CAPACITOR	10p 50V
C650	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C651	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C652	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C653	NCB31CK-104X	CER.CAPACITOR	0.1 16V 47 6.3V
C654 C655	NEH90JM-476X NCB31CK-104X	E.CAPACITOR CER.CAPACITOR	0.1 16V
C656	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C657	NEH90JM-476X	E.CAPACITOR	47 6.3V
C658	NDC31HJ-100X	CER.CAPACITOR	10p 50V
C659	NDC31HJ-180X	CER.CAPACITOR	18p 50V
C660	NDC31HJ-180X	CER.CAPACITOR	18p 50V
C661	NEH90JM-476X	E.CAPACITOR	47 6.3V
C662	NDC31HJ-100X	CER.CAPACITOR	10p 50V
C663	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C664 C665	NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR	0.1 16V 0.1 16V
C666	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C667	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C668	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C669	NEH90JM-476X	E.CAPACITOR	47 6.3V
C670	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C671	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C672	NEH90JM-476X	E.CAPACITOR	47 6.3V
C673	NDC31HJ-100X	CER.CAPACITOR	10p 50V 18p 50V
C674 C675	NDC31HJ-180X NDC31HJ-180X	CER.CAPACITOR CER.CAPACITOR	18p 50V 18p 50V
C676	NEH90JM-476X	E.CAPACITOR	47 6.3V
C677	NDC31HJ-100X	CER.CAPACITOR	10p 50V
C678	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C679	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C680	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C681	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C682	NEH90JM-476X	E.CAPACITOR	47 6.3V 0.1 16V
C683 C684	NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR	0.1 16V 0.1 16V
C685	NEH90JM-476X	E.CAPACITOR	47 6.3V
C686	NDC31HJ-100X	CER.CAPACITOR	10p 50V
C687	NDC31HJ-180X	CER.CAPACITOR	18p 50V
		I.,	

Symbol No.	Part No.	Part Name	Des	cription
C688	NDC31HJ-180X	CER.CAPACITOR	18p	50V
C689	NELIOO INA AZOV	E.CAPACITOR	47	6.3V
	NEH90JM-476X NDC31HJ-100X	CER.CAPACITOR	10p	50V
C690		CER.CAPACITOR	0.1	16V
C691	NCB31CK-104X		0.1	16V
C692 C693	NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR	0.1	16V
	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C694 C695	NEH90JM-476X	E.CAPACITOR	47	6.3V
C696	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C697	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C698	NEH90JM-476X	E.CAPACITOR	47	6.3V
C699	NDC31HJ-100X	CER.CAPACITOR	10p	50V
C700	NDC31HJ-180X	CER.CAPACITOR	18p	50V
C701	NDC31HJ-180X	CER.CAPACITOR	18p	50V
C702	NEH90JM-476X	E.CAPACITOR	47	6.3V
C703	NDC31HJ-100X	CER.CAPACITOR	10p	50V
C704	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C705	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C706	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C707	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C708	NEH90JM-476X	E.CAPACITOR	47	6.3V
C710 C711	NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR	0.1	16∨ 16∨
C711	NEH90JM-476X	E.CAPACITOR	47	6.3V
C712	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C714	NDC31HJ-5R0X	CER.CAPACITOR	5p	50V
C714	NDC31HJ-5H0X	CER.CAPACITOR	47p	50V
C716	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C717	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C718	NDC31HJ-100X	CER.CAPACITOR	10p	50V
C719	NDC31HJ-180X	CER.CAPACITOR	18p	50V
C720	NDC31HJ-180X	CER.CAPACITOR	18p	50V
C721	NEH90JM-476X	E.CAPACITOR	47	6.3V
C722	NDC31HJ-150X	CER.CAPACITOR	15p	50V
C723	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C724	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C726	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C727	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C728	NDC31HJ-101X	CER.CAPACITOR	100p	50V
C729	NDC31HJ-3R0X	CER.CAPACITOR	3p	50V
C730	NDC31HJ-5R0X	CER.CAPACITOR	5p	50V (U
	NDC31HJ-4R0X	CER.CAPACITOR	4p	50V (E
C731	NDC31HJ-5R0X	CER.CAPACITOR	5p	50V (U
	NDC31HJ-4R0X	CER.CAPACITOR	4p	50V (E
C732	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C733	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C734	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C801	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C802	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C803	NCB11AK-106X	CER.CAPACITOR	10	10V
C804	NCB31CK-104X	CER.CAPACITOR	0.1	16V 16V
C805 C807	NCB31CK-104X NDC31HJ-271X	CER.CAPACITOR CER.CAPACITOR	0.1 270p	50V
C808	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C809	NCB11AK-106X	CER.CAPACITOR	10	10V
C810	NDC31HJ-102X	CER.CAPACITOR	1000p	50V
C811	NDC31HJ-102X	CER.CAPACITOR	1000p	50V
C812	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C813	NDC31HJ-102X	CER.CAPACITOR	1000p	50V
C814	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C815	NCB31HK-103X	CER.CAPACITOR	0.01	50V
C816	NCB31HK-103X	CER.CAPACITOR	0.01	50V
C817	NCB11AK-106X	CER.CAPACITOR	10	10V
C818	NCB11AK-106X	CER.CAPACITOR	10	10V
C819	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C820	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C821	NCB31HK-103X	CER.CAPACITOR	0.01	50V
C822	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C823	NCB31HK-103X	CER.CAPACITOR	0.01	50V
C824	NCB31CK-104X	CER.CAPACITOR	0.1	16V
	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C825				
C825 C826 C827	NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR	0.1	16V 16V

Symbol No.	Part No.	Part Name	Desc	ription	Symbol No.	Part No.	Part Name		Description
C828	NEH91CM-106X	E.CAPACITOR	10	16V	C1013	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C829	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C1014		CER.CAPACITOR	0.1	16V
C830	NCB31CK-104X	CER.CAPACITOR	0.1	16V		NCB31CK-104X	CER.CAPACITOR	0.1	16V
C831	NCB31HK-103X	CER.CAPACITOR	0.01	50V	C1016		CER.CAPACITOR	0.1	16V
C832	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C1017	NEH91CM-106X	E.CAPACITOR	10	16V
C833	NDC31HJ-151X	CER.CAPACITOR	150p	50V	C1018		CER.CAPACITOR	1	16V
C834	NDC31HJ-271X	CER.CAPACITOR	270p	50V	C1019		CER.CAPACITOR	li	16V
C835	NEH90JM-476X	E.CAPACITOR	47	6.3V	0.0.0	1105110111071	0211.07.17.1017.011	Ι΄	,
C836	NEH90JM-476X	E.CAPACITOR	47	6.3V	C1020	NCB11CK-105X	CER.CAPACITOR	1	16V
C837	NDC31HJ-271X	CER.CAPACITOR	270p	50V	C1021	NCB11CK-105X	CER.CAPACITOR	li	16V
					C1022	NCB11CK-105X	CER.CAPACITOR	1	16V
C838	NDC31HJ-121X	CER.CAPACITOR	120p	50V	C1023	NCB11CK-105X	CER.CAPACITOR	1	16V
C839	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C1024	NBE41DM-106X	TAN.CAPACITOR	10	20V
C840	NDC31HJ-102X	CER.CAPACITOR	1000p	50V	C1025	NCB11CK-105X	CER.CAPACITOR	1	16∀
C841	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C1026	NCB11CK-105X	CER.CAPACITOR	1	16V
C842	NDC31HJ-102X	CER.CAPACITOR	1000p	50V	C1027	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C843	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C1028	NCB11CK-105X	CER.CAPACITOR	1	16V
C844	NDC31HJ-102X	CER.CAPACITOR	1000p	50V	C1029	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C845	NCB31CK-104X	CER.CAPACITOR	0.1	16V					
C846	NCB31HK-103X	CER.CAPACITOR	0.01	50V	C1030	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C847	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C1034	NDC31HJ-471X	CER.CAPACITOR	470p	50V
					C1035	NCB11CK-224X	CER.CAPACITOR	0.22	16V
C848	NDC31HJ-151X	CER.CAPACITOR	150p	50V	C1039	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C849	NDC31HJ-271X	CER.CAPACITOR	270p	50V	C1040	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C850	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C1041	NCB31HK-103X	CER.CAPACITOR	0.01	50V
C851	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C1042	NCB31HK-103X	CER.CAPACITOR	0.01	50V
C852	NCB31CK-104X	CER.CAPACITOR	0.1	16V					
C853	NCB31CK-104X	CER.CAPACITOR	0.1	16V	14	NOI 114K 220V	COU	2011	
C854	NCB31CK-104X NCB11AK-106X	CER.CAPACITOR CER.CAPACITOR	0.1	16V	L1 L2	NQL114K-220X NQL114K-220X	COIL	22uH 22uH	
C855		CER.CAPACITOR	1000p	10V 50V	L3		COIL	22uH	
C856 C857	NDC31HJ-102X NCB31CK-104X		0.1	16V	L3 L4	NQL114K-220X NQL114K-220X	COIL	22uH	
C657	NCB3ICK-104A	CER.CAPACITOR	0.1	100	L5		COIL		
C858	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L6	NQL114K-220X NQL114K-220X	COIL	22uH 22uH	
C859	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L7	NQL114K-220X	COIL	22uH	
C860	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L8	NQL114K-220X	COIL	22uH	
C861	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L9	NQL024J-100X	COIL	10uH	1
C862	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L10	NQL024J-150X	COIL	15uH	(U)
C863	NCB31CK-104X	CER.CAPACITOR	0.1	16V		NQL024J-5R6X	COIL	5.6uH	(E)
C864	NCB31CK-104X	CER.CAPACITOR	0.1	16V					(_,
C865	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L11	NQL024J-100X	COIL	10uH	
C866	NCB11AK-106X	CER.CAPACITOR	10	10V	L12	NQL024J-150X	COIL	15uH	(U)
C867	NDC31HJ-102X	CER.CAPACITOR	1000p	50V		NQL024J-5R6X	COIL	5.6uH	(E)
			,		L13	NQL114K-220X	COIL	22uH	
C868	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L14	NQL114K-220X	COIL	22uH	
C869	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L16	NQL114K-220X	COIL	22uH	
C870	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L17	NQL114K-220X	COIL	22uH	
C871	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L19	NQL114K-220X	COIL	22uH	
C872	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L20	NQL114K-220X	COIL	22uH	
C873	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L21	NQL114K-220X	COIL	22uH	
C874	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L201	NQL114K-470X	COIL	47uH	
C875	NCB31CK-104X	CER.CAPACITOR	0.1	16V					
C876	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L202	NQL114K-470X	COIL	47uH	
C877	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L203	NQL114K-220X	COIL	22uH	
0070	NODWOK 404V	OFF CARACITOR		40) (	L204	NQL114K-470X	COIL	47uH	
	NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR	0.1	16V	L205	NQL114K-470X	COIL	47uH	
C879 C880	NCB31CK-104X	CER.CAPACITOR	0.1	16V 16V	L206 L207	NQL114K-220X NQL114K-470X	COIL	22uH 47uH	
C880	NCB31CK-104X NDC31HJ-101X	CER.CAPACITOR	100p	50V	L207	NQL114K-470X	COIL	47uH	
C882	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L208	NQL114K-220X	COIL	22uH	
C883	NDC31HJ-101X	CER.CAPACITOR	100p	50V	L210	NQL024J-270X	COIL	27uH	(U)
C884	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L210	NQL024J-270X	COIL	27uH	(U)
C885	NCB31CK-104X	CER.CAPACITOR	0.1	16V		14020240-2707	COIL	27411	(0)
C886	NCB11AK-106X	CER.CAPACITOR	10	10V	L401	NQL114K-470X	COIL	47uH	İ
C887	NDC31HJ-121X	CER.CAPACITOR	120p	50V	L402	NQL114K-470X	COIL	47uH	
1	110 001110 12171	, 62/110/11/10/10/1	1.20		L403	NQL114K-470X	COIL	47uH	
C888	NDC31HJ-121X	CER.CAPACITOR	120p	50V	L404	NQL024J-4R7X	COIL	4.7uH	
	NBE41AM-226X	TAN.CAPACITOR	22	10V	L601	NQL114K-220X	COIL	22uH	
	NCB11AK-106X	CER.CAPACITOR	10	10V	L602	NQL114K-220X	COIL	22uH	
	NCB11AK-225X	CER.CAPACITOR	2.2	10V	L603	NQL114K-220X	COIL	22uH	
	NCB31HK-682X	CER.CAPACITOR	6800p	50V	L604	NQL024J-150X	COIL	15uH	
	NCB11AK-106X	CER.CAPACITOR	10	10V	L605	NQL024J-150X	COIL	15uH	
	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L606	NQL114K-220X	COIL	22uH	
	NBE41AM-226X		22	10V					
	NCB30JK-105X	CER.CAPACITOR	1	6.3V	L607	NQL114K-220X	COIL	22uH	
	NBE41AM-226X		22	1 <b>0V</b>	L608	NQL024J-150X	COIL	15uH	
					L609	NQL024J-150X	COIL	15uH	
	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L610	NQL114K-220X	COIL	22uH	
	NCB31CK-104X	CER.CAPACITOR	0.1	16V	L611	NQL114K-220X	COIL	22uH	
C1012	NCB11CK-105X	CER.CAPACITOR	1	16V	L612	NQL024J-150X	COIL	15uH	

Symbol No.	Part No.	Part Name	Description
L613 L614 L615 L616	NQL024J-150X NQL114K-220X NQL114K-220X NQL024J-150X	COIL COIL COIL COIL	15uH 22uH 22uH 15uH
L617 L618 L619 L620 L621 L622 L623 L624 L625 L626	NQL024J-150X NQL114K-220X NQL114K-220X NQL024J-150X NQL024J-150X NQL114K-220X NQL114K-220X NQL024J-150X NQL024J-150X NQL024J-150X NQL024J-150X NQL014K-220X	COIL COIL COIL COIL COIL COIL COIL COIL	15uH 22uH 22uH 15uH 15uH 22uH 22uH 15uH 15uH
L627 L628 L629 L801 L1001 L1002	NOL024J-330X NOL024J-150X NQL024J-150X NQL114K-220X NQL024J-101X NQL024J-101X	COIL COIL COIL COIL COIL COIL	33uH 15uH 15uH 22uH 100uH 100uH
LC201 LC202	NQR0477-001X NQR0234-001X NQR0477-001X NQR0234-001X	LC FILTER LC FILTER LC FILTER LC FILTER	(U) (E) (U) (E)
X1 X801 X802	QAX0017-001 PGZ02043 QAX0124-002 QAX0124-002	CRYSTAL CRYSTAL CRYSTAL CRYSTAL	14.31818MHz (U) (E)
CN2 CN3 CN4 CN6 CN7 CN8 CN9 CN11 CN102 CN104	QGA1501C2-08W QGA1501C2-10W QGA1501C2-11W QGF0508C1-33W QGF0508C1-45W QGF0508C1-24W QGF0508C1-30W QGA1201C2-10X QGF0508C1-30W QGA1501C2-06W	CONNECTOR	8PIN 10PIN 11PIN 33PIN 45PIN 124PIN 33PIN 10PIN 30PIN 6PIN
TP1 TP14 TP201 TP401 TP601 TP1001	NNZ0009-001X NNZ0009-001X NNZ0009-001X NNZ0009-001X NNZ0009-001X NNZ0009-001X	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT	TP1 TO TP9 TP14 TO TP16 TP201 TO TP216 TP601 TO TP609 TP1001 TO 1010
FL1 FL201	QQR0454-001 QQR0454-001	FL FILTER FL FILTER	
K3 K4 K5 K6 K7 K201 K202 K203 K204 K404	NOR0200-004X NOR0200-004X NOR0200-004X NOR0200-005X NOR0200-005X NOR0200-005X PGZ01994-601Z PGZ01994-601Z NOR0200-004X NOR0200-004X	FERRITE BEADS	
K405 K406 K407 K408 K409 K410 K411 K412 K413	NQR0200-004X NQR0200-004X NQR0200-004X NQR0200-004X NQR0200-004X NQR0200-004X NQR0200-004X NQR0200-004X NQR0200-004X	FERRITE BEADS	

Symbol	Part No.	Part Name	Description
No.	··		
K414	NQR0200-004X	FERRITE BEADS	
K415	NQR0200-004X	FERRITE BEADS	
K416	PGZ01994-601Z	FERRITE BEADS	
K417	PGZ01994-601Z	FERRITE BEADS	
K418	PGZ01994-601Z	FERRITE BEADS	
K419	PGZ01994-601Z	FERRITE BEADS	
K602	NQR0200-004X	FERRITE BEADS	
K603	PGZ01994-601Z	FERRITE BEADS	
K604	NQR0200-005X	FERRITE BEADS	
K605	NQR0200-004X	FERRITE BEADS	
K606	PGZ01994-601Z	FERRITE BEADS	
K801	NQR0200-005X	FERRITE BEADS	
K802	NQR0200-005X	FERRITE BEADS	
K803	NQR0200-004X	FERRITE BEADS	
K804	NQR0200-004X	FERRITE BEADS	
K805	NQR0200-004X	FERRITE BEADS	
K806	NQR0200-004X	FERRITE BEADS	
K807	NQR0200-004X	FERRITE BEADS	
K808	NQR0200-004X	FERRITE BEADS	
K809	NQR0200-004X	FERRITE BEADS	1
K810	NQR0200-004X	FERRITE BEADS	
K811	NQR0200-004X	FERRITE BEADS	
K812	NQR0200-004X	FERRITE BEADS	
K813	NQR0200-004X	FERRITE BEADS	
K814	NQR0200-004X	FERRITE BEADS	
K815	NQR0200-004X	FERRITE BEADS	
K816	NQR0200-004X	FERRITE BEADS	
K817	PGZ01994-601Z	FERRITE BEADS	
K818	PGZ01994-601Z	FERRITE BEADS	
K819	PGZ01994-601Z	FERRITE BEADS	
K1001	NQR0200-004X	FERRITE BEADS	
K1002	NQR0200-004X	FERRITE BEADS	
K1003	NQR0200-004X	FERRITE BEADS	
K1005	NQR0200-004X	FERRITE BEADS	
		1	
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		1	

# 6.2 SYS/AUDIO BOARD ASSEMBLY PARTS LIST 02

•	O I D/AUDIO DO	AID ACCEMBETTANTO EIGT CE
	LK2132A0B	02

LK2	132A0B	0 2				
Symbol No.	Part No.	Part Name	Description			
IC1 IC101 IC102 IC103 IC104 IC105 IC106 IC107 IC108 IC109	SN74AHC245DGV-X M5218AFP-X M5218AFP-X TC4W55FU-X BA3314F-X M51132FP-X M62353GP-X TC74VHCT08AFT-X AK4552VT-X EPM3064AT10-007	I.C.(M) I.C.(M) I.C.(M) I.C.(M) I.C.(M) I.C.(M)	TEXAS MITSUBISHI MITSUBISHI TOSHIBA ROHM MITSUBISHI MITSUBISHI TOSHIBA ASAHI KASEI ALTERA			
IC110 IC111 IC112 IC113 IC114 IC115 IC116 IC117 IC118 IC119	AK4363VF-X M5218AFP-X M5218AFP-X M5218AFP-X TC4W53FU-X TC4W53FU-X M51132FP-X M5218AFP-X TC4052BFT/N/-X M5218AFP-X	I.C.(M)	ASAHI KASEI MITSUBISHI MITSUBISHI MITSUBISHI TOSHIBA TOSHIBA MITSUBISHI TOSHIBA MITSUBISHI			
IC120 IC121 IC122 IC123 IC124 IC125 IC126 IC301 IC302 IC303	BA6138F-X BA6138F-X M5218AFP-X SN74AHC245DGV-X AK4552VT-X UPC78L12T-W SN74AHC1G32K-X SN74LV126ADGV-X CD74HC4053PW-X SN74LV126ADGV-X	I.C.(M) I.C.(M) I.C.(M) I.C.(M) I.C.(M)	ROHM ROHM MITSUBISHI TEXAS ASAHI KASEI NEC TEXAS TEXAS RCA TEXAS			
IC304 IC305 IC306 IC307 IC308 IC309 IC311 IC312 IC313 IC314	SN74AHCT125PW-Y SN74AHC74PW-X SN74AHC74PW-X SN74LV126ADGV-X SN74LV125APW-X SN74LV125APW-X DS8922M-X DS14C232CM-X SN74LV165ADGV-X SN74LV165ADGV-X	I.C.(M)	TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS NATIONAL SEMICO NATIONAL SEMICO TEXAS TEXAS			
IC315 IC316 IC317 IC318 IC319 IC320 IC321 IC322 IC323 IC324	SN74AHC1G32K-X	I.C.(M)	ROHM ROHM HD64F2239FA16 JRC RICHO TEXAS TEXAS TEXAS MITSUBISHI TEXAS			
IC325 IC326 IC327 IC501 IC502 IC503 IC504 IC505 IC506	RS5C314-X SN74AHC1GU04K-X SN74AHCT1G08K-X PLSL1150 RN5VD26AA-X SN74LV126ADGV-X SN74AHC1G14K-X SN74AHC2G66U-X SN74AHC1G14K-X TC74HC4066AF-X		RICHO TEXAS TEXAS HD64F2238RFA13 RICHO TEXAS TEXAS TEXAS TEXAS TEXAS TEXAS TOSHIBA			
IC508 IC509 IC601 IC602 IC603 IC604 IC605 IC606 IC608	NJU7222U30-X NJM79L05UA-X NJM319M-X SN74AHC1G14K-X TC74VHC123AFT-X SN74AHC2G74U-X SN74AHC1G08K-X CD74HC4053PW-X NJM4556AM-XE	I.C.(M)	JRC JRC JRC TEXAS TOSHIBA TEXAS TEXAS TEXAS TEXAS RCA JRC			
Q101 Q102 Q103	DTC124EUA-X DTA124EUA-X DTC323TU-X	TRANSISTOR TRANSISTOR TRANSISTOR	ROHM ROHM ROHM			

Symbol No.	Part No.	Part Name	Description
Q104 Q105 Q106 Q107 Q108 Q109 Q110	DTC323TU-X DTC323TU-X DTC323TU-X DTC124EUA-X DTA124EUA-X DTC323TU-X DTC124EUA-X	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	ROHM ROHM ROHM ROHM ROHM ROHM ROHM
Q111 Q112 Q113 Q114 Q115 Q116 Q120 Q121 Q122 Q123	DTA124EUA-X DTC323TU-X DTC323TU-X DTC323TU-X DTC323TU-X DTC323TU-X DTC323TU-X DTC323TU-X DTC323TU-X DTC323TU-X DTC323TU-X	TRANSISTOR	ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM
Q124 Q125 Q126 Q127 Q128 Q129 Q130 Q131 Q134 Q301	DTC124EUA-X DTA124EUA-X DTC124EUA-X DTC124EUA-X DTC323TU-X DTC323TU-X DTC323TU-X DTC323TU-X DTC323TU-X DTC323TU-X DTC323TU-X DTC323TU-X	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM
Q302 Q303 Q304 Q305 Q306 Q307 Q309 Q310 Q311 Q501	DTC144EKA-X DTC144EKA-X DTC144EKA-X DTC144EKA-X DTC144EKA-X DTC144EKA-X DTC124EUA-X DTC144EKA-X DTC144EKA-X DTC144EKA-X DTC124EUA-X	TRANSISTOR	ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM
Q502 Q503 Q504 Q506 Q506 Q507 Q508 Q509	DTC124EUA-X DTC124EUA-X DTC124EUA-X DTC124EUA-X DTC124EUA-X DTC124EUA-X DTC124EUA-X DTC124EUA-X DTC124EUA-X	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	ROHM ROHM ROHM ROHM ROHM ROHM ROHM
D1 D2 D3 D4 D5 D6 D7 D8 D101 D102	MA3160/M/-X MA3160/M/-X MA3160/M/-X MA3160/M/-X MA3160/M/-X MA3160/M/-X MA3160/M/-X MA3160/M/-X DA204U-X DA204U-X	DIODE	MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA ROHM ROHM
D103 D104 D301 D302 D303 D501 D502	DA204U-X DA204U-X MA741WK-X MA741WK-X MA741WK-X MA3024-X MA3024-X	DIODE DIODE DIODE DIODE DIODE ZENER DIODE ZENER DIODE	ROHM ROHM MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA
R1 R2 R3 R4 R5 R6 R7 R8	NRSA63J-560X NRSA63J-560X NRSA63J-560X NRSA63J-560X NRSA63J-560X NRSA63J-070X NRSA63J-330X NRSA63J-330X NRSA63J-330X	M.G.RESISTOR	56 1/16W 56 1/16W 56 1/16W 56 1/16W 56 1/16W 0 1/16W 33 1/16W 33 1/16W 33 1/16W

Symbol No.	Part No.	Part Name	De	escription	Symbol No.	
R10	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R177	NI
		LA O DECICTOR	7.5	4/4/014/	R178	N
R11	NRSA63J-750X	M.G.RESISTOR	75	1/16W	R179	N
R12	NRSA63J-750X	M.G.RESISTOR	75	1/16W	R180	N
R13	NRSA63J-750X	M.G.RESISTOR	75	1/16W	R181	
R101	NRSA63J-472X	M.G.RESISTOR	4.7k	1/16W	R182 R183	N
R102	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R184	N
R104	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R184	N
R105	NRSA63J-103X NRSA63J-472X	M.G.RESISTOR M.G.RESISTOR	10k 4.7k	1/16W 1/16W	n 100	IVI
R106 R107	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R187	N
R109	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R188	N
nios	INTOAOSS-OTTOX	W.G.NESISTON	ľ	",,,,,,,	R189	N
R110	NRSA63J-473X	M.G.RESISTOR	47k	1/16W	R190	N
R111	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R191	N
R112	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R192	N
R113	NRSA63J-473X	M.G.RESISTOR	47k	1/16W	R193	N
R114	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R194	N
R115	NRSA63J-223X	M.G.RESISTOR	22k	1/16W	R195	N
R116	NRSA63J-473X	M.G.RESISTOR	47k	1/16W	R196	N
R117	NRSA63J-473X	M.G.RESISTOR	47k	1/16W		
R118	NRSA63J-154X	M.G.RESISTOR	150k	1/16W	R197	N
R119	NRSA63J-100X	M.G.RESISTOR	10	1/16W	R198	N
					R199	N
R120	NRSA63J-561X	M.G.RESISTOR	560	1/16W	R200	N
R121	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R205	N
R123	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R206	N
R124	NRSA63J-101X	M.G.RESISTOR	100 560	1/16W 1/16W	R207 R209	N
R125	NRSA63J-561X	M.G.RESISTOR M.G.RESISTOR	560	1/16W	R210	N
R126 R127	NRSA63J-561X NRSA63J-330X	M.G.RESISTOR	33	1/16W	R211	N
R127	NRSA63J-330X	M.G.RESISTOR	33	1/16W	1,211	1,,
R129	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R212	N
R130	NRSA63J-104X	M.G.RESISTOR	100k	1/16W	R213	N
,,,,,,	7411011000 10 11		1		R214	N
R131	NRSA63J-104X	M.G.RESISTOR	100k	1/16W	R215	N
R132	NRSA63J-104X	M.G.RESISTOR	100k	1/16W	R216	N
R133	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R217	N
R134	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R218	N
R135	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R219	N
R136	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R220	N
R137	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R221	N
R138	NRSA63J-330X	M.G.RESISTOR	33 33	1/16W 1/16W	R222	N
R139	NRSA63J-330X NRSA63J-750X	M.G.RESISTOR M.G.RESISTOR	75	1/16W	R223	N
R140	INDSA033-750A	W.G.NESISTON	/3	1/1000	R224	N
R141	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R225	N
R143	NRSA63J-0R0X	M.G.RESISTOR	o	1/16W	R226	N
R144	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R227	N
R145	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R228	N
R146	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R229	N
R147	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R230	N
R148	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R231	N
R149	NRSA63J-102X	M.G.RESISTOR	1k	1/16W		l.,
R150	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R232	IN.
R151	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R233	N
D4=0	11001001000	LA O DECICTOR	00	4 (4 (5) 4 (	R234	N
R152	NRSA63J-330X	M.G.RESISTOR	33	1/16W	R235	N
R153	NRSA63J-750X	M.G.RESISTOR M.G.RESISTOR	75 5.1k	1/16W 1/16W	R236 R237	N
R154 R155	NRSA63J-512X NRSA63J-104X	M.G.RESISTOR	100k	1/16W	R238	N
R156	NRSA63J-104X	M.G.RESISTOR	39k	1/16W	R239	N
R157	NRSA63J-123X	M.G.RESISTOR	12k	1/16W	R240	N
R160	NRSA63J-104X	M.G.RESISTOR	100k	1/16W	R241	N
R161	NRSA63J-393X	M.G.RESISTOR	39k	1/16W	1	-
R162	NRSA63J-123X	M.G.RESISTOR	12k	1/16W	R242	N
R163	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W	R243	N
					R244	N
R164	NRSA63J-152X	M.G.RESISTOR	1.5k	1/16W	R245	N
R165	NRSA63J-105X	M.G.RESISTOR	1M	1/16W	R250	N
R166	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R251	N
R168	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W	R252	N
R169	NRSA63J-152X	M.G.RESISTOR	1.5k	1/16W	R253	N
R170	NRSA63J-105X	M.G.RESISTOR	1M	1/16W	R257	N
R171	NRSA63J-0R0X	M.G.RESISTOR	0 47k	1/16W	R258	N
R173	NRSA63J-473X	M.G.RESISTOR M.G.RESISTOR	47k 39k	1/16W 1/16W	R259	IN
R174 R175	NRSA63J-393X NRSA63J-123X	M.G.RESISTOR	12k	1/16W	R260	N
N1/5	14113/4033-123/	WI.G.TILOIOTON	125	1/10/4	R261	IN
R176	NRSA63J-473X	M.G.RESISTOR	47k	1/16W	R262	N
1170	1110/000-470/	W.G.NEOIOTOR	1771	.,,,,,,,,,	11202	Ι''

Symbol No.	Part No.	Part Name	Des	eription				
R177 R178 R179 R180 R181 R182 R183 R184 R186	NRSA63J-393X NRSA63J-123X NRSA63J-473X NRSA63J-473X NRSA63J-473X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-473X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	39k 12k 47k 47k 47k 47k 10k 10k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W				
R187 R188 R189 R190 R191 R192 R193 R194 R195 R196	NRSA63J-473X NRSA63J-473X NRSA63J-473X NRSA63J-123X NRSA63J-912X NRSA63J-330X NRSA63J-123X NRSA63J-912X NRSA63J-912X NRSA63J-330X NRSA63J-103X	M.G.RESISTOR	47k 47k 47k 12k 9.1k 33 12k 9.1k 33	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W				
R197 R198 R199 R200 R205 R206 R207 R209 R210 R211	NRSA63J-330X NRSA63J-103X NRSA63J-330X NRSA63J-473X NRSA63J-103X NRSA63J-103X NRSA63J-472X NRSA63J-472X NRSA63J-473X NRSA63J-103X NRSA63J-103X	M.G.RESISTOR	33 10k 33 47k 10k 10k 4.7k 47k 10k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W				
R212 R213 R214 R215 R216 R217 R218 R219 R220 R221	NRSA63J-473X NRSA63J-103X NRSA63J-102X NRSA63J-473X NRSA63J-473X NRSA63D-272X NRSA63D-122X NRSA63D-122X NRSA63D-122X NRSA63J-155X	M.G.RESISTOR	47k 10k 1k 47k 47k 47k 2.7k 1.2k 2.7k 1.2k 1.5M	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W				
R222 R223 R224 R225 R226 R227 R228 R229 R230 R231	NRSA63J-155X NRSA63J-102X NRSA63D-152X NRSA63D-332X NRSA63D-152X NRSA63D-332X NRSA63D-332X NRSA63D-272X NRSA63D-122X NRSA63D-122X NRSA63D-122X	M.G.RESISTOR	1.5M 1k 1.5k 3.3k 1.5k 3.3k 2.7k 1.2k 2.7k 1.2k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W				
R232 R233 R234 R235 R236 R237 R238 R239 R240 R241	NRSA63J-155X NRSA63J-155X NRSA63J-102X NRSA63D-152X NRSA63D-322X NRSA63D-152X NRSA63D-152X NRSA63D-322X NRSA63J-103X NRSA63J-103X NRSA63J-103X	M.G.RESISTOR	1.5M 1.5M 1k 1.5k 3.3k 1.5k 3.3k 10k 10k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W				
R242 R243 R244 R245 R250 R251 R252 R253 R257 R258	NRSA63J-102X NRSA63J-222X NRSA63J-222X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-100X NRSA63J-100X NRSA63J-100X NRSA63J-122X NRSA63J-152X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	1k 2.2k 2.2k 0 0 10 10 2.2k 1.5k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W				
R259 R260 R261 R262	NRSA63J-222X NRSA63J-152X NRSA63J-152X NRSA63J-152X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	2.2k 1.5k 1.5k 1.5k	1/16W 1/16W 1/16W 1/16W				

# [SYS/AUDIO]

READ	Symbol No.	Part No.	Part Name	De	escription	Symbol No.	Part No.	Part Name		Description
MSAMSJURDX   M.G. RESISTOR   M. TURBW   READ   MSAMSJUZZX   M.G. RESISTOR   M. TURBW   READ   MSAMSJUZZX   M.G. RESISTOR   M	B263	NRSA63 LOBOY	M G RESISTOR	0	1/16\//	B330	NRSA63 L223Y	M.G. RESISTOR	224	1/16\//
MRS-643-1-00X   MRS-645-1-00X   MRS-645-1-00										
						l no41	INDOA00J-220A	IVI.G.NESISTON	ZZK	1/10//
Page						l Down	NDCACO LACOV	M C DECICTOR	101.	4/4/014/
P377   NEASALARDE   NEASALARD										
NRS-681_0-FROX   NRS-	R270	MH2M933-0H0X	M.G.RESISTOR	U	1/16//				220	
	0074	NIDO ACO LODOV	A A DECISION		4 (4 (3) 4 (					
RESARD   RESISTOR   S3										
HISARAL-JOSON										
				33						
				33						
Responsible						R351	NRSA63J-102X	M.G.RESISTOR	1K	1/16W
Page   MRSABJ-JOZX   M. G. RESISTOR   D										
R281   NRSA83-1-02X   M. G. RESISTOR   10k   17.69V   R356   NRSA83-1-02X   M. G. RESISTOR   3.3k   17.69V   R358   NRSA83-1-02X   M. G. RESISTOR   10k   17.69V   R358   NRSA83-1-02X   M. G. RESISTOR   3.3k   17.69V   NRSA83-1-02X   M. G. RESISTOR										
	R280	NRSA63J-0R0X	M.G.RESISTOR	0	1/16VV					
Region   R										
REASS_1-FOX   M. G. RESISTOR   10										
Research										
Region   Residence   Region										
R289   RRSA63J-0R0X   M. G.FESISTOR   0   1/16W   R289   RRSA63J-0R0X   M. G.FESISTOR   1/16W   R289   RRSA63J-0R0X   M. G.FESISTO										
R289   RRSASJ-JORDX   M. G.RESISTOR   O   1/16W   R362   RRSASJ-101X   M. G.RESISTOR   100   1/16W   R368	R286	NRSA63J-0R0X					NRSA63J-101X			1/16W
R289   RRSASJ-0R0X   M. G.RESISTOR   0   1/16W   R392   RRSASJ-101X   M. G.RESISTOR   100   1/16W   R394   RRSASJ-101X   M. G.RESISTOR   100   1/16W   R394   RRSASJ-101X   M. G.RESISTOR   100   1/16W   R395	R287	NRSA63J-0R0X	M.G.RESISTOR		1/16W	R361	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R290   NRSA63J-060X   M. G. RESISTOR   0   1/16W   R363   NRSA63J-101X   M. G. RESISTOR   100   1/16W   R364   NRSA63J-102X   M. G. RESISTOR   10   1/16W   R365   NRSA63J-102X   M. G. RESISTOR   1   1/16W   R366   NRSA63J-102X   M. G. RESISTOR   1   1/16W   R367   NRSA63J-102X   M. G. RESISTOR   1   1/16W   R368   NRSA63J-102X   M. G. RESISTOR   1   1/16W   R	R288	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W					
R291   RFSA63_1-F0X   RSA63_1-F0X   RSA63_	R289	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R362	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R292   NRSA8J-F00X   M. G. RESISTOR   16   176W   R366   NRSA83J-102X   M. G. RESISTOR   16   176W   R366   NRSA8J-102X   M. G. RESISTOR   16   176W   R367   NRSA8J-102X   M. G. RESISTOR   16   176W   R375   NRSA8J-102X   M. G. RESISTOR   176W   R376   NRSA8J-102X   M. G. RESISTOR   176W   R377   NRSA8J-102X   M. G. RESISTOR   176W   R376   NRSA8J-102X   M. G. RESISTOR   176W   R386   NRSA8J-102X   M. G. RESISTOR   176W   NRSA8J-102X	R290	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W					1/16W
R289   NRSA83-Je02X   M. G. RESISTOR   D				1		R364	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R294   NRSA63J-102X   M. G. RESISTOR   1k   1/16W   R374   NRSA63J-102X   M. G. RESISTOR   1k   1/16W   R374   NRSA63J-102X   M. G. RESISTOR   1k   1/16W   R374   NRSA63J-102X   M. G. RESISTOR   1k   1/16W   R375   NRSA63J-47X   M. G. RESISTOR   1k   1/16W   R376   NRSA63J-102X   M. G. RESISTOR   1k   1/16W   R376   NRSA63J-102X   M. G. RESISTOR   1k   1/16W   R376   NRSA63J-10X   M. G. RESISTOR   1k   1/16W   R376   NRSA63J-102X   M. G. RESISTOR   1k   1/16W   R376   NRSA63J-102X   M. G. RESISTOR   1k   1/16W   R376   NRSA63J-102X   M. G. RESISTOR   1k   1/16W   R377   NRSA63J-102X   M. G. RESISTOR   1k   1/16W   R378   NRSA63J-102X   M. G. RESISTOR   1k   1/16W   R381   NRSA63J-102X   M. G. RESISTOR   1k   1/16W   R386   NRSA63J-102	R291	NRSA63J-750X	M.G.RESISTOR	75	1/16W	R365	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
R296	R292	NRSA63J-0R0X	M.G.RESISTOR		1/16W	R366	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
R296   NRSA63J-R00X   M.G. RESISTOR   0   1/16W   R376   NRSA63J-472X   M.G. RESISTOR   1/16W   R376   NRSA63J-10ZX   M.G. RESISTOR   0   1/16W   R376   NRSA63J-10ZX   M.G. RESISTOR   1/16W   R377   NRSA63J-10ZX   M.G. RESISTOR   1/16W   R378   NRSA63J-10ZX   M.G. RESISTOR   1/16W   R378   NRSA63J-10ZX   M.G. RESISTOR   1/16W   R378   NRSA63J-10ZX   M.G. RESISTOR   1/16W   R381   NRSA6	R293	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R367	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
R296   NRSA63J-R00X   M.G. RESISTOR   0	R294	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R373	NRSA63J-223X	M.G.RESISTOR	22k	1/16W
R289   NRSA63J-102X   M.G.RESISTOR   1k	R295	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R374	NRSA63J-472X	M.G.RESISTOR	4.7k	1/16W
R299   NRSA63J-102X   M.G.RESISTOR   1k	R296	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R375	NRSA63J-223X	M.G.RESISTOR	22k	1/16W
R299   NRSA63J-102X   M.G.RESISTOR   1k	R297	NRSA63J-0R0X		0	1/16W	R376	NRSA63J-101X			
R301   NRSA63J-102X   M.G.RESISTOR   D	R298	NRSA63J-102X	M.G.RESISTOR	1k	1/16W					
R302   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R381   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R384   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R384   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R386   NRSA63J-102X   M.G.RESISTOR   Ik   1/	R299	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R377	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R302   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R381   NRSA63J-0P0X   M.G.RESISTOR   0   1/16W   R381   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R381   NRSA63J-223X   M.G.RESISTOR   Ik   1/16W   R381   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R381   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R384   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R384   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R384   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R385   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R386   NRSA63J-102X   M.G.RESISTOR   22k   1/16W   R386   NR	R301	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R378	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R304   R36A8J-102X   M.G. RESISTOR   1k   1/16W   R381   R38A8J-123X   M.G. RESISTOR   22k   1/16W   R306   R36A8J-102X   M.G. RESISTOR   1k   1/16W   R306   R36A8J-102X   M.G. RESISTOR   22k   1/16W   R306   R30A8J-102X   M.G. RESISTOR   22k   1/16W   R306   R36A8J-102X   M.G. RESISTOR   22k   1/16W   R306						R379	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R304   R36A8J-102X   M.G.RESISTOR   1k   1/16W   R304   RASA8J-102X   M.G.RESISTOR   2k   1/16W   R306   RASA8J-102X   M.G.RESISTOR   2k   1/16W   R307   RASA8J-102X   M.G.RESISTOR   2k   1/16W   R308   RASA8J-10X   M.G.RESISTOR   2k   1/16W   R308   RASA8J-102X   M.G.RESISTOR   2k   1/16W   R309   RASA8J-102X   M.G.RESISTOR	R302	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R380	NRSA63J-0R0X	M.G.RESISTOR	lo	1/16W
R306   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R384   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R386   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R387   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R387   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R388   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R389   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   NRSA63J-102X   M.G.RESISTOR   1k	R303	NRSA63J-102X				. R381			22k	
R306   RFSA63J-102X   M.G. RESISTOR   1k   1/16W   R368   NRSA63J-223X   M.G. RESISTOR   1k   1/16W   R368   NRSA63J-223X   M.G. RESISTOR   1k   1/16W   R368   NRSA63J-101X   M.G. RESISTOR   100   1/16W   R368   NRSA63J-101X   M.G. RESISTOR   100   1/16W   R368   NRSA63J-101X   M.G. RESISTOR   100   1/16W   R368   NRSA63J-101X   M.G. RESISTOR   1k   1/16W   R368   NRSA63J-101X   M.G. RESISTOR   1k   1/16W   R368   NRSA63J-102X   M.G. RESISTOR   1k   1/16W   R369   NRSA63J-102X   M.G. RESISTOR   1k   1/16W   NRSA63	R304	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R383	NRSA63J-223X	M.G.RESISTOR		1/16W
R306   RISABASJ-102X   M.G. RESISTOR   1k   1/16W   R386   NIRSABASJ-102X   M.G. RESISTOR   1k   1/16W   R387   NIRSABSJ-102X   M.G. RESISTOR   22k   1/16W   R387   NIRSABSJ-102X   M.G. RESISTOR   22k   1/16W   R387   NIRSABSJ-102X   M.G. RESISTOR   1k   1/16W   R388   NIRSABSJ-101X   M.G. RESISTOR   1k   1/16W   R388   NIRSABSJ-102X   M.G. RESISTOR   1k   1/16W   R389   NIRSABSJ-102X   M.G. RESISTOR   1k   1/16W   R389   NIRSABSJ-102X   M.G. RESISTOR   1k   1/16W   R399   NIRSABSJ-102X   M.G. RESISTOR   22k   1/16W   NIRSABSJ-102X   M.G. RESIST	R305		M.G.RESISTOR	22k	1/16W	R384				
R307   RNSA63J-102X   M.G.RESISTOR   1k   1/16W   R386   RNSA63J-0R0X   M.G.RESISTOR   00   1/16W   R308   RNSA63J-223X   M.G.RESISTOR   22k   1/16W   R390   RNSA63J-102X   M.G.RESISTOR   1k   1/16W   R398   RNSA63J-10X   M.G.RESISTOR   22k   1/16W   R391   RNSA63J-102X   M.G.RESISTOR   1k   1/16W   R398   RNSA63J-223X   M.G.RESISTOR   22k   1/16W   R391   RNSA63J-102X   M.G.RESISTOR   1k   1/16W   R399   RNSA63J-223X   M.G.RESISTOR   22k   1/16W   R391   RNSA63J-102X   M.G.RESISTOR   1k   1/16W   R394   RNSA63J-102X   M.G.RESISTOR   1k   1/16W   R394   RNSA63J-102X   M.G.RESISTOR   1k   1/16W   R394   RNSA63J-102X   M.G.RESISTOR   1k   1/16W   R395   RNSA63J-102X   M.G.RESISTOR   1k   1/16W   R396   RNSA63J-102X   M.G.RESISTOR   1k	R306	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R385	NRSA63J-223X			
R308	R307			1k		R386				
R309   NRSA63J-1223X   M.G. RESISTOR   22k   1/16W   R390   NRSA63J-102X   M.G. RESISTOR   1k   1/16W   R390   NRSA63J-102X   M.G. RESISTOR   1k   1/16W   R390   NRSA63J-102X   M.G. RESISTOR   1k   1/16W   R390   NRSA63J-102X   M.G. RESISTOR   22k   1/16W   R391   NRSA63J-102X   M.G. RESISTOR   1k   1/16W   R393   NRSA63J-102X   M.G. RESISTOR   22k   1/16W   R393   NRSA63J-102X   M.G. RESISTOR   22k   1/16W   R393   NRSA63J-102X   M.G. RESISTOR   22k   1/16W   R394   NRSA63J-102X   M.G. RESISTOR   22k   1/16W   R395   NRSA63J-102X   M.G. RESISTOR   22k   1/16W   R396   NRSA63J-102X   M.G. RESISTOR   1k   1/16W   R396   NRSA63J-102X   M.G. RESISTOR   22k   1/16W   R396   NRSA63J-102X   M.G. RESISTOR   1k   1/16W   R396   NRSA63J-102X   M.G. RESISTOR   22k   1/16W   R396   NRSA63J-102X   M.G. RESI	R308			22k	1/16W	R387			100	
R310										.,
R311   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R391   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R391   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R393   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R393   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R394   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R395   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R396   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R396   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R396   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R401   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R402   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R402   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R402   NRSA63J-102X   M.G.RESISTOR   22k   1/16W   R402   NRSA63J-102X   M.G.RESISTOR   22k   1/16W   R404   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R404   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R404   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R405   NRSA63J-102X   M.G.RESISTOR   22k   1/16W   R406   NRSA63J-223X						R388	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R312   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R394   NRSA63J-102X   M.G.RESISTOR   22k   1/16W   R395   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R394   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R395   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R396   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R397   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R397   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R397   NRSA63J-223X   M.G.RESISTOR   1k   1/16W   R397   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R399   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R399   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R400   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R400   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R400   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R401   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R402   NRSA63J-102X   M.G.RESISTOR   22k   1/16W   R405   NRSA63J-102X   M.G.RESISTOR   22k   1/16W   R405   NRSA63J-102X   M.G.RESISTOR   22k   1/16W   R405   NRSA63J-222X   M.G.RESISTOR   22k   1/16W   R405   NRSA63J-102X   M.G.RESISTOR   22k   1/16W   R405   NRSA63J-222X   M.G.RESISTOR   10k   1/16W   NRSA63J-222X   M.G.RESISTOR   10k   1/16W   NRSA63J-222X   M.G.RESISTOR   10k   1/16W   NRSA63J-222X   M.G.RESISTOR   1	R311	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R390	NRSA63J-223X		22k	
R312   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R393   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R394   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R395   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R396   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R396   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R396   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R397   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R396   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R400   NRSA63J-223X   M.G.RESISTOR   Ik   1/16W   R401   NRSA63J-223X   M.G.RESISTOR   Ik   1/16W   R402   NRSA63J-223X   M.G.RESISTOR   Ik   1/16W   R404   NRSA63J-222X   M.G.RESISTOR   Ik   1/16W   R405   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R326   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R405   NRSA63J-222X   M.G.RESISTOR   Ik   1/16W   R326   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R405   NRSA63J-222X   M.G.RESISTOR   Ik   1/16W   R326   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R407   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R407   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R407   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R408   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R407   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R408   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R408   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R408   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R409   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R409   NRSA63J-102X   M.G.RESISTOR   Ik   1/16W   R410   NRSA63J-102X   M.G.RESISTOR   Ik   1/			•							
R313         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R393         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R394         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R395         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R396         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R396         NRSA63J-103X         M.G.RESISTOR         1k         1/16W         R396         NRSA63J-103X         M.G.RESISTOR         10k         1/16W         R396         NRSA63J-103X         M.G.RESISTOR         10k         1/16W         R399         NRSA63J-103X         M.G.RESISTOR         10k         1/16W         R399         NRSA63J-102X         M.G.RESISTOR         10k         1/16W         R399         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R400         NRSA63J-102X         M.G.RESISTOR         2k         1/16W         R400         NRSA63J-102X         M.G.RESISTOR         2k         1/16W         R400         <	R312	NRSA63J-102X	M.G.RESISTOR	1k	1/16W					
R314   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R394   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R395   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R396   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R396   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R397   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R397   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R396   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R396   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R399   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R400   NRSA63J-102X   M.G.RESISTOR   1/16W   R399   NRSA63J-102X   M.G.RESISTOR   1/16W   R400   NRSA63J-102X   M.G.RESISTOR   1/16W   R401   NRSA63J-102X   M.G.RESISTOR   1/16W   R402   NRSA63J-102X   M.G.RESISTOR   1/16W   R405   NRSA63J-102X   M.G.RESISTOR   1/16W   R406   NRSA63J-102X   M.G.RESISTOR   1/16W   R407   NRSA63J-102X   M.G.RESISTOR   1/16W   R408   NRSA63J-102X   M.G.RESISTOR   1/16W   NRSA63J-102X   M.G.RESISTOR   1/16W   R401   NRSA63J-102X   M.G.RESISTOR   1/16W   NRSA63J-101X   M.G.RE										
R315   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R396   NRSA63J-103X   M.G.RESISTOR   10k   1/16W   R396   NRSA63J-103X   M.G.RESISTOR   10k   1/16W   R397   NRSA63J-103X   M.G.RESISTOR   10k   1/16W   R397   NRSA63J-103X   M.G.RESISTOR   10k   1/16W   R397   NRSA63J-102X   M.G.RESISTOR   10k   1/16W   R397   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R399   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R399   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R399   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R400   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R402   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R404   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R405   NRSA63J-223X   M.G.RESISTOR   2.2k   1/16W   R405   NRSA63J-223X   M.G.RESISTOR   2.2k   1/16W   R405   NRSA63J-103X   M.G.RESISTOR   2.2k   1/16W   R407   NRSA63J-103X   M.G.RESISTOR   2.2k   1/16W   R408   NRSA63J-103X   M.G.RESISTOR   2.2k   1/16W   R408   NRSA63J-103X   M.G.RESISTOR   1/16W   NRSA63J-223X   M.G.RESISTOR   1/16W   NRSA63J-103X   M.G.RESISTOR   1/16W   NRSA63J-223X   M.G.RESISTOR   1/16W   NRSA63J-103X   M.G.RESISTOR   1/16W   NRSA63J-223X   M.G.RESISTOR   1/16W   NRSA63J-103X   M.G.RESISTOR   1/16W   NRSA63J-10										
R316   RRSA63J-102X   M.G.RESISTOR   1k   1/16W   R396   RRSA63J-103X   M.G.RESISTOR   10k   1/16W   R397   RRSA63J-102X   M.G.RESISTOR   1k   1/16W   R398   RRSA63J-102X   M.G.RESISTOR   1k   1/16W   R398   RRSA63J-102X   M.G.RESISTOR   1k   1/16W   R399   RRSA63J-102X   M.G.RESISTOR   1k   1/16W   R398   RRSA63J-102X   M.G.RESISTOR   1k   1/16W   R399   RRSA63J-102X   M.G.RESISTOR   22k   1/16W   R400   RASA63J-23X   M.G.RESISTOR   22k   1/16W   R400   RASA63J-223X   M.G.RESISTOR   22k   1/16W   R400   RRSA63J-223X   M.G.RESISTOR   22k   1/16W   R401   RRSA63J-223X   M.G.RESISTOR   22k   1/16W   R403   RRSA63J-222X   M.G.RESISTOR   22k   1/16W   R324   RRSA63J-102X   M.G.RESISTOR   1k   1/16W   R403   RRSA63J-222X   M.G.RESISTOR   2.2k   1/16W   R324   RRSA63J-223X   M.G.RESISTOR   2.2k   1/16W   R405   RRSA63J-222X   M.G.RESISTOR   2.2k   1/16W   R326   RRSA63J-223X   M.G.RESISTOR   2.2k   1/16W   R327   RRSA63J-223X   M.G.RESISTOR   22k   1/16W   R406   RRSA63J-103X   M.G.RESISTOR   2.2k   1/16W   R327   RRSA63J-223X   M.G.RESISTOR   22k   1/16W   R406   RRSA63J-103X   M.G.RESISTOR   0   1/16W   R327   RRSA63J-223X   M.G.RESISTOR   22k   1/16W   R406   RRSA63J-0RX   M.G.RESISTOR   0   1/16W   R328   RRSA63J-223X   M.G.RESISTOR   22k   1/16W   R408   RRSA63J-0RX   M.G.RESISTOR   0   1/16W   R331   RRSA63J-223X   M.G.RESISTOR   220   1/16W   R409   RRSA63J-102X   M.G.RESISTOR   1k   1/16W   R333   RRSA63J-223X   M.G.RESISTOR   22k   1/16W   R410   RRSA63J-102X   M.G.RESISTOR   1k   1/16W   R334   RRSA63J-223X   M.G.RESISTOR   22k   1/16W   R410   RRSA63J-103X   M.G.RESISTOR   1k   1/16W   R333   RRSA63J-223X   M.G.RESISTOR   22k   1/16W   R410   RRSA63J-103X   M.G.RESISTOR   1k   1/16W   R334   RRSA63J-223X   M.G.RESISTOR   22k   1/16W   R410   RRSA63J-101X   M.G.RESISTOR   100   1/16W   R335   RRSA63J-223X   M.G.RESISTOR   1k   1/16W   R416   RRSA63J-101X   M										
R317   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R397   NRSA63J-101X   M.G.RESISTOR   100   1/16W   R318   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R398   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R399   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R400   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R401   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R401   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R402   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R402   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R403   NRSA63J-222X   M.G.RESISTOR   22k   1/16W   R404   NRSA63J-222X   M.G.RESISTOR   2.2k   1/16W   R404   NRSA63J-222X   M.G.RESISTOR   2.2k   1/16W   R405   NRSA63J-222X   M.G.RESISTOR   2.2k   1/16W   R406   NRSA63J-222X   M.G.RESISTOR   2.2k   1/16W   R406   NRSA63J-223X   M.G.RESISTOR   2.2k   1/16W   R406   NRSA63J-223X   M.G.RESISTOR   2.2k   1/16W   R406   NRSA63J-223X   M.G.RESISTOR   2.2k   1/16W   R406   NRSA63J-0R0X   M.G.RESISTOR   0   1/16W   R405   NRSA63J-223X   M.G.RESISTOR   2.2k   1/16W   R406   NRSA63J-0R0X   M.G.RESISTOR   0   1/16W   R406   NRSA63J-103X   M.G.RESISTOR   0   1/16W   R407   NRSA63J-103X   M.G.RESISTOR   1/16W   R408   NRSA63J-103X   M.G.RESISTOR   1/16W   NRSA63J-103X   M.G.RESIS	D040			1						
R318										
R319										
R320						1,000		GITLOID FOR	,,,,	17 1044
R321   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R400   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R401   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R402   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R403   NRSA63J-222X   M.G.RESISTOR   22k   1/16W   R404   NRSA63J-222X   M.G.RESISTOR   2.2k   1/16W   R405   NRSA63J-222X   M.G.RESISTOR   2.2k   1/16W   R406   NRSA63J-103X   M.G.RESISTOR   2.2k   1/16W   R407   NRSA63J-103X   M.G.RESISTOR   1/16W   R408   NRSA63J-103X   M.G.RESISTOR   0   1/16W   R408   NRSA63J-221X   M.G.RESISTOR   22k   1/16W   R408   NRSA63J-102X   M.G.RESISTOR   0   1/16W   R409   NRSA63J-102X   M.G.RESISTOR   1/16W   NRSA63J-102X   M.G.RESISTOR   1/16W   R410   NRSA63J-101X   M.G.RESISTOR   1/16W   R410   NRSA63J-101X   M.G.RESISTOR   1/16W   R410   NRSA63J-101X   M.G.RESISTOR   1/16W   NRSA63J-101X   M.G.RESISTOR   1						R300	NRSA63 L102Y	M.G. RESISTOR	114	1/16\\\
R322   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R402   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R402   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R403   NRSA63J-222X   M.G.RESISTOR   2.2k   1/16W   R324   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R404   NRSA63J-222X   M.G.RESISTOR   2.2k   1/16W   R325   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R405   NRSA63J-222X   M.G.RESISTOR   2.2k   1/16W   R326   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R406   NRSA63J-222X   M.G.RESISTOR   2.2k   1/16W   R327   NRSA63J-102X   M.G.RESISTOR   22k   1/16W   R406   NRSA63J-103X   M.G.RESISTOR   10k   1/16W   R327   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R407   NRSA63J-0R0X   M.G.RESISTOR   0   1/16W   R329   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R408   NRSA63J-0R0X   M.G.RESISTOR   0   1/16W   R330   NRSA63J-221X   M.G.RESISTOR   220   1/16W   R409   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R410   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R411   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R412   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R413   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R438   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R413   NRSA63J-101X   M.G.RESISTOR   22k   1/16W   R414   NRSA63J-101X   M.G.RESISTOR   22k   1/16W   R415   NRSA63J-101X   M.G.RESISTOR   22k   1/16W   R416   NRSA63J-101X   M.G.RESISTOR   100   1/16W   R436   NRSA63J-102X   M.G.RESISTOR   100   1/16W   R436   NRSA63J-102X   M.G.RESISTOR   100   1/16W   R437   NRSA63J-102X   M.G.RESISTOR   100   1/16W   R437   NRSA63J-102X   M.G.RESISTOR   100   1/16W   R438   NRSA63J-101X   M.G.RESISTOR   100   1/16W   R438   NRSA63J-										
R322         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         R402         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R323         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R403         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R324         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R404         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R325         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R406         NRSA63J-22X         M.G.RESISTOR         2.2k         1/16W           R327         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R407         NRSA63J-103X         M.G.RESISTOR         0         1/16W           R329         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         R407         NRSA63J-103X         M.G.RESISTOR         0         1/16W           R329         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         R409         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R330         NRSA63J-221X         M.G.RESISTOR         220         1/16W         R410 <td>1.021</td> <td>1111GA000-223A</td> <td>141.0.11E0101011</td> <td>441</td> <td>1/1000</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1.021	1111GA000-223A	141.0.11E0101011	441	1/1000					
R323         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R403         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R324         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R404         NRSA63J-222X         M.G.RESISTOR         2.2k         1/16W           R326         NRSA63J-102X         M.G.RESISTOR         2k         1/16W         R406         NRSA63J-22X         M.G.RESISTOR         2.2k         1/16W           R327         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R406         NRSA63J-103X         M.G.RESISTOR         10k         1/16W           R328         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         R408         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R330         NRSA63J-221X         M.G.RESISTOR         22k         1/16W         R409         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R331         NRSA63J-221X         M.G.RESISTOR         220         1/16W         R410         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R332         NRSA63J-221X         M.G.RESISTOR         220         1/16W         R412 </td <td>Bass</td> <td>NRS ARS LOSSY</td> <td>M.G. RESISTOR</td> <td>22k</td> <td>1/16\A/</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Bass	NRS ARS LOSSY	M.G. RESISTOR	22k	1/16\A/					
R324   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R405   NRSA63J-222X   M.G.RESISTOR   2.2k   1/16W   R405   NRSA63J-102X   M.G.RESISTOR   2.2k   1/16W   R406   NRSA63J-222X   M.G.RESISTOR   2.2k   1/16W   R406   NRSA63J-222X   M.G.RESISTOR   2.2k   1/16W   R406   NRSA63J-102X   M.G.RESISTOR   10k   1/16W   R407   NRSA63J-103X   M.G.RESISTOR   0   1/16W   R408   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R407   NRSA63J-102X   M.G.RESISTOR   0   1/16W   R408   NRSA63J-102X   M.G.RESISTOR   0   1/16W   R409   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R410   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R410   NRSA63J-103X   M.G.RESISTOR   1k   1/16W   R410   NRSA63J-103X   M.G.RESISTOR   1/16W   R410   NRSA63J-103X   M.G.RESISTOR   1/16W   R410   NRSA63J-103X   M.G.RESISTOR   1/16W   R411   NRSA63J-103X   M.G.RESISTOR   1/16W   R412   NRSA63J-103X   M.G.RESISTOR   1/16W   R413   NRSA63J-102X   M.G.RESISTOR   1/16W   R413   NRSA63J-101X   M.G.RESISTOR   1/16W   R414   NRSA63J-101X   M.G.RESISTOR   1/16W   R415   NRSA63J-101X   M.G.RESISTOR   1/16W   R416   NRSA63J-101X   M.G.RESISTOR   1/16W   1/16W   R416   NRSA63J-101X   M.G.RESISTOR   1/16W   1/16W   R416   NRSA63J-101X   M.G.RESISTOR   1/16W   1/16W   R416   NRSA63										
R325										
R326										
R327   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R407   NRSA63J-0R0X   M.G.RESISTOR   0   1/16W   R329   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R330   NRSA63J-221X   M.G.RESISTOR   220   1/16W   R410   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R431   NRSA63J-221X   M.G.RESISTOR   220   1/16W   R410   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R411   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R412   NRSA63J-102X   M.G.RESISTOR   1k   1/16W   R433   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R413   NRSA63J-101X   M.G.RESISTOR   100   1/16W   R434   NRSA63J-223X   M.G.RESISTOR   22k   1/16W   R414   NRSA63J-101X   M.G.RESISTOR   22k   1/16W   R415   NRSA63J-101X   M.G.RESISTOR   22k   1/16W   R416   NRSA63J-101X   M.G.RESISTOR   1/16W   R416   NRSA63J-101X   M.G.RESISTOR   1/16W   R416   NRSA63J-101X   M.G.RESISTOR   1/16W   R417   NRSA63J-101X   M.G.RESISTOR   1/16W   R417   NRSA63J-101X   M.G.RESISTOR   1/16W   R418   NRSA63J-101X   M.G.RESISTOR   1/16W   1/16W   1/16W   1/16W   1/16W   1/16W   1/16W   1/16W   1/16W										
R328         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         R408         NRSA63J-0R0X         M.G.RESISTOR         0         1/16W           R329         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         R409         NRSA63J-0R0X         M.G.RESISTOR         1k         1/16W           R330         NRSA63J-221X         M.G.RESISTOR         220         1/16W         R410         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R331         NRSA63J-221X         M.G.RESISTOR         220         1/16W         R411         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R332         NRSA63J-221X         M.G.RESISTOR         220         1/16W         R412         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R333         NRSA63J-221X         M.G.RESISTOR         220         1/16W         R412         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R334         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         R413         NRSA63J-101X         M.G.RESISTOR         22k         1/16W           R335         NRSA63J-471X         M.G.RESISTOR         470         1/16W         R416 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td>									1	
R329									1	
R330         NRSA63J-221X         M.G.RESISTOR         220         1/16W         R409         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R331         NRSA63J-221X         M.G.RESISTOR         220         1/16W         R410         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R332         NRSA63J-221X         M.G.RESISTOR         220         1/16W         R411         NRSA63J-102X         M.G.RESISTOR         10k         1/16W           R333         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         R413         NRSA63J-102X         M.G.RESISTOR         100         1/16W           R334         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         R413         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R335         NRSA63J-223X         M.G.RESISTOR         470         1/16W         R414         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R336         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R416         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R336         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R416						RAUS	NHO-COMONIN	IVI.G.HESISTOR	10	1/16W
R331         NRSA63J-221X         M.G.RESISTOR         220         1/16W         R410 R411         NRSA63J-102X NRSA63J-103X         M.G.RESISTOR M.G.RESISTOR         1k 10k         1/16W 1/16W           R332         NRSA63J-221X         M.G.RESISTOR         220         1/16W         R412 R412         NRSA63J-102X NRSA63J-101X         M.G.RESISTOR M.G.RESISTOR         1k 1/16W         1/16W           R334         NRSA63J-223X NRSA63J-223X         M.G.RESISTOR M.G.RESISTOR         22k 22k 22k 22k 22k 22k 22k 22k 22k 22k						D.400	AIDCACO LACOV	M O DECICZOD	l.,	4/4/014
R332 NRSA63J-221X M.G.RESISTOR 220 1/16W R412 NRSA63J-103X M.G.RESISTOR 10k 1/16W R333 NRSA63J-223X M.G.RESISTOR 22k 1/16W R413 NRSA63J-101X M.G.RESISTOR 100 1/16W R334 NRSA63J-223X M.G.RESISTOR 22k 1/16W R414 NRSA63J-101X M.G.RESISTOR 100 1/16W R335 NRSA63J-471X M.G.RESISTOR 470 1/16W R414 NRSA63J-101X M.G.RESISTOR 100 1/16W R336 NRSA63J-102X M.G.RESISTOR 1k 1/16W R417 NRSA63J-101X M.G.RESISTOR 100 1/16W R337 NRSA63J-102X M.G.RESISTOR 1k 1/16W R417 NRSA63J-101X M.G.RESISTOR 100 1/16W R337 NRSA63J-102X M.G.RESISTOR 1k 1/16W R418 NRSA63J-101X M.G.RESISTOR 100 1/16W R337 NRSA63J-102X M.G.RESISTOR 1k 1/16W R418 NRSA63J-101X M.G.RESISTOR 100 1/16W R337 NRSA63J-102X M.G.RESISTOR 100 1/16W										
R332         NRSA63J-221X         M.G.RESISTOR         220         1/16W         R412         NRSA63J-102X         M.G.RESISTOR         1k         1/16W           R333         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         R413         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R334         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         R414         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R335         NRSA63J-101X         M.G.RESISTOR         470         1/16W         R416         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R336         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R416         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R337         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R418         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R337         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R418         NRSA63J-101X         M.G.RESISTOR         100         1/16W	H331	NHSA63J-221X	IVI.G.HESISTOR	220	1/16VV					
R333         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         R413         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R334         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         R414         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R335         NRSA63J-102X         M.G.RESISTOR         470         1/16W         R416         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R336         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R417         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R337         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R418         NRSA63J-101X         M.G.RESISTOR         100         1/16W	Door	NIDO LOS LOS SE	MA O DECICEO	200	0.40.01.1				1	
R334         NRSA63J-223X         M.G.RESISTOR         22k         1/16W         R414         NRSA63J-223X         M.G.RESISTOR         22k         1/16W           R335         NRSA63J-471X         M.G.RESISTOR         470         1/16W         R416         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R336         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R417         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R337         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R418         NRSA63J-101X         M.G.RESISTOR         100         1/16W										
R335         NRSA63J-471X         M.G.RESISTOR         470         1/16W         R416         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R336         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R417         NRSA63J-101X         M.G.RESISTOR         100         1/16W           R337         NRSA63J-102X         M.G.RESISTOR         1k         1/16W         R418         NRSA63J-101X         M.G.RESISTOR         100         1/16W										
R336 NRSA63J-102X M.G.RESISTOR 1k 1/16W R417 NRSA63J-101X M.G.RESISTOR 100 1/16W R337 NRSA63J-102X M.G.RESISTOR 1k 1/16W R418 NRSA63J-101X M.G.RESISTOR 100 1/16W										
R337 NRSA63J-102X M.G.RESISTOR 1k 1/16W R418 NRSA63J-101X M.G.RESISTOR 100 1/16W										
mana lung lung lung managan lung lunggan lungg										
H338   NHSA63J-222X   M.G.RESISTOR   2.2k 1/16W     R419   NRSA63J-101X   M.G.RESISTOR   100 1/16W										
	H338	NRSA63J-222X	IVI.G.RESISTOR	2.2K	1/16W	K419	INKSA63J-101X	M.G.RESISTOR	100	1/16W

Symbol No.	Part No.	Part Name	Description
	NDCACO LODOV	M.G.RESISTOR	0 1/16W
R420	NRSA63J-0R0X	M.G.RESISTOR M.G.RESISTOR	0 1/16W 100 1/16W
R421	NRSA63J-101X NRSA63J-101X	M.G.RESISTOR	100 1/16W
R422 R423	NRSA63J-101X	M.G.RESISTOR	100 1/16W
		M.G.RESISTOR	100 1/16W
R424	NRSA63J-101X NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R425		M.G.RESISTOR	22k 1/16W
R426	NRSA63J-223X		
R501	NRSA63J-104X	M.G.RESISTOR	
R502	NRSA63J-104X	M.G.RESISTOR M.G.RESISTOR	100k 1/16W 100k 1/16W
R503	NRSA63J-104X	IVI.G.NESISTON	1710VV
DE04	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R504 R505	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R506	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R507	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R508	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R509	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R510	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R510	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R511	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R513	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
nois	NU2W022-104V	W.G.NESISTON	171000
R514	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R514	NRSA63J-104X	M.G.RESISTOR	1k 1/16W
	NRSA63J-102X NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R516 R517	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R517	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R519	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R520 R521	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R522	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R523	NRSA63J-102A	IVI.G.NESISTON	1/1000
R524	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R525	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R526 R527	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R527	NRSA63J-102X	M.G.RESISTOR	1k 1/16W
R529	NRSA63J-220X	M.G.RESISTOR	22 1/16W
R529	NRSA63J-220X	M.G.RESISTOR	22 1/16W
R531	NRSA63J-220X	M.G.RESISTOR	22 1/16W
R532	NRSA63J-121X	M.G.RESISTOR	120 1/16W
R533	NRSA63J-121X	M.G.RESISTOR	120 1/16W
11000	1110/1000-121/	W.G.HEOIOTOH	171044
R534	NRSA63J-121X	M.G.RESISTOR	120 1/16W
R535	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R536	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R537	NRSA63J-104X	M.G.RESISTOR	100k 1/16W
R538	NRSA63J-220X	M.G.RESISTOR	22 1/16W
R539	NRSA63J-220X	M.G.RESISTOR	22 1/16W
R540	NRSA63J-220X	M.G.RESISTOR	22 1/16W
R541	NRSA63J-220X	M.G.RESISTOR	22 1/16W
R542	NRSA63J-220X	M.G.RESISTOR	22 1/16W
R543	NRSA63J-220X	M.G.RESISTOR	22 1/16W
5-10			.,
R544	NRSA63J-220X	M.G.RESISTOR	22 1/16W
R545	NRSA63J-220X	M.G.RESISTOR	22 1/16W
R546	NRSA63J-220X	M.G.RESISTOR	22 1/16W
R547	NRSA63J-0R0X	M.G.RESISTOR	0 1/16W
R548	NRSA63J-0R0X	M.G.RESISTOR	0 1/16W
R550	NRSA63J-0R0X	M.G.RESISTOR	0 1/16W
R551	NRSA63J-474X	M.G.RESISTOR	470k 1/16W
R552	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R553	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R554	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R555	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R556	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R558	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R559	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R560	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R561	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R562	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R563	NRSA63J-223X	M.G.RESISTOR	22k 1/16W
R564	NRSA63J-101X	M.G.RESISTOR	100 1/16W
R565	NRSA63J-101X	M.G.RESISTOR	100 1/16W
R566	NRSA63J-101X	M.G.RESISTOR	100 1/16W
R567	NRSA63J-101X	M.G.RESISTOR	100 1/16W
R568	NRSA63J-101X	M.G.RESISTOR	100 1/16W

Symbol No.	Part No.	Part Name	Description
R569 R570 R571 R572 R573 R574 R575	NRSA63J-101X NRSA63J-0R0X NRSA63J-223X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	100 1/16W 0 1/16W 22k 1/16W 100 1/16W 100 1/16W 100 1/16W 100 1/16W
R576 R577 R578 R579 R601 R602 R603 R604 R605 R606	NRSA63J-101X NRSA63J-101X NRSA63J-220X NRSA63J-220X NRSA63J-471X NRSA63J-103X NRSA63J-104X NRSA63J-223X NRSA63J-223X NRSA63J-102X NRSA63J-104X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	100 1/16W 100 1/16W 22 1/16W 22 1/16W 470 1/16W 10k 1/16W 100k 1/16W 22k 1/16W 1k 1/16W 100k 1/16W
R607 R608 R609 R610 R611 R612 R613 R614 R615 R666	NRSA63J-104X NRSA63J-394X NRSA63J-223X NRSA63J-123X NRSA63J-123X NRSA63J-302X NRSA63J-152X NRSA63J-473X NRSA63J-471X NRSA63J-104X	M.G.RESISTOR	100k 1/16W 390k 1/16W 22k 1/16W 18k 1/16W 12k 1/16W 3k 1/16W 1.5k 1/16W 47k 1/16W 470 1/16W 100k 1/16W
R667 R668 R669 R701 R702 R703 R704 R705	NRSA63J-104X NRSA63J-104X NRSA63J-104X NRSA63J-330X NRSA63J-080X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	100k 1/16W 100k 1/16W 100k 1/16W 33 1/16W 33 1/16W 0 1/16W 0 1/16W 0 1/16W
VR101 VR102 VR103 VR104	NVP1313-203X NVP1313-203X NVP1313-203X NVP1313-203X	TRIM.RESISTOR TRIM.RESISTOR TRIM.RESISTOR TRIM.RESISTOR	20k RCA L LEVEL 20k RCA R LEVEL 20k XLR R LEVEL 20k XLR L LEVEL
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10	NDC31HJ-221X NDC31HJ-221X NDC31HJ-221X NDC31HJ-221X NDC31HJ-221X NDC31HJ-221X NDC31HJ-221X NDC31HJ-221X NDC31HJ-221X NDC31HJ-221X NDC31HJ-221X	CER.CAPACITOR	220p 50V 220p 50V
C11 C12 C13 C14 C15 C16 C17 C18 C19 C20	NDC31HJ-221X NDC31HJ-560X NCS31HJ-560X NCS31HJ-560X NCS31HJ-560X NCS31HJ-560X NCS31HJ-560X NCS31HJ-560X NCS31HJ-560X NCS31HJ-560X NCS31HJ-521X	CER.CAPACITOR	220p 50V 220p 50V 56p 50V 10p 50V 56p 50V 56p 50V 56p 50V 56p 50V 56p 50V 56p 50V 56p 50V
C21 C22 C23 C24 C25 C101 C102 C103 C104 C105	NDC31HJ-221X NDC31HJ-221X NDC31HJ-121X NDC31HJ-471X NDC31HJ-471X NEH91CM-106X NCS31HJ-101X NEH91CM-106X NEH91CM-106X NEH91CM-106X NEH91CM-106X	CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR E.CAPACITOR E.CAPACITOR E.CAPACITOR E.CAPACITOR E.CAPACITOR E.CAPACITOR	220p 50V 220p 50V 120p 50V 470p 50V 470p 50V 10 16V 10 16V 10 16V 10 16V
C106	NCS31HJ-101X	CER.CAPACITOR	100p 50V

# [SYS/AUDIO]

Symbol No.	Part No.	Part Name		Description	Symbol No.	Part No.	Part Name	D	escription
C107	NEH91CM-106X	E.CAPACITOR	10	16V	C183	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C108	NEH91CM-106X	E.CAPACITOR	10	16V	C184	NEHE1EM-107X	E.CAPACITOR	100	25V
C109	NEH91CM-476X	E.CAPACITOR	47	16V	C185	NEH91CM-106X	E.CAPACITOR	10	16V .
C110	NEH91CM-106X	E.CAPACITOR	10	16V	C186	NEH91CM-106X	E.CAPACITOR	10	16V
C111	NEH91CM-106X	E.CAPACITOR	10	16V	C188	NEH91CM-106X	E.CAPACITOR	10	16V
C112	NCS31HJ-101X	CER.CAPACITOR	100p	50V	C189	NEH91CM-106X	E.CAPACITOR	10	16V
			100p	16V	C109	INELIST CIVI-100X	E.CAPACITOR	10	104
C113	NEH91CM-106X	E.CAPACITOR			0100	NELIOACE A ADOV	E CADACITOR	10	40)/
C114	NEH91CM-226X	E.CAPACITOR	22	16V	C190	NEH91CM-106X	E.CAPACITOR	10	16V
C115	NEH91CM-106X	E.CAPACITOR	10	. 16V	C191	NCS31HJ-101X	CER.CAPACITOR	100p	50V
			l	4.5%	C192	NEH91CM-106X	E.CAPACITOR	10	16V
C116	NEH91CM-476X	E.CAPACITOR	47	16V	C193	NEH91CM-106X	E.CAPACITOR	10	16V
C117	NCS31HJ-9R0X	CER.CAPACITOR	9p	50V	C194	NCS31HJ-470X	CER.CAPACITOR	47p	50V
C118	NEH91CM-476X	E.CAPACITOR	47	16V	C195	NEH91CM-106X	E.CAPACITOR	10	167
C119	NEH91CM-106X	E.CAPACITOR	10	16V	C198	NEH91EM-475X	E.CAPACITOR	4.7	25V
C120	NEH91CM-476X	E.CAPACITOR	47	16V	C199	NEH91EM-475X	E.CAPACITOR	4.7	25V
C121	NEH91CM-106X	E.CAPACITOR	10	16V	C200	NEH91HM-474X	E.CAPACITOR	0.47	50V
C122	NEH91CM-106X	E.CAPACITOR	10	16V	C201	NEH91HM-474X	E.CAPACITOR	0.47	50V
C123	NEH91CM-106X	E.CAPACITOR	10	16V					
C124	NEH91CM-106X	E.CAPACITOR	10	16V	C202	NEH91CM-106X	E.CAPACITOR	10	16V
C125	NCB31CK-104X	CER.CAPACITOR	0.1	16∀	C205	NEH91EM-475X	E.CAPACITOR	4.7	25V
			1		C206	NEH91EM-475X	E.CAPACITOR	4.7	25V
C126	NCB31EK-103X	CER.CAPACITOR	0.01	25V	C207	NEH91HM-474X	E.CAPACITOR	0.47	50V
C127	NEH91CM-106X	E.CAPACITOR	10	16V	C208	NEH91HM-474X	E.CAPACITOR	0.47	50V
C128	NEH91CM-106X	E.CAPACITOR	10	16V	C209	NEH91CM-106X	E.CAPACITOR	10	16V
C129	NEH91CM-106X	E.CAPACITOR	10	16V	C210	NEH91CM-106X	E.CAPACITOR	10	16V
C130	NEH91CM-106X	E.CAPACITOR	10	16V	C211	NEH91CM-106X	E.CAPACITOR	10	16V
C131	NEH91HM-105X	E.CAPACITOR	1	50V	C212	NEH91CM-106X	E.CAPACITOR	10	16V
		CER.CAPACITOR	0.1	16V	C213	NEH91CM-106X	E.CAPACITOR	10	167
C132 C133	NCB31CK-104X NCB31CK-104X	CER.CAPACITOR	0.1	16V	0213	WELIGICIAI-100V	L.CAI ACITOR	10	101
					C214	NCD31CK 104V	CER CARACITOR	0.1	101/
C134	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C214	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C135	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C215	NEH91CM-476X	E.CAPACITOR	47	16V
				4.004	C216	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C136	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C217	NEH91CM-476X	E.CAPACITOR	47	16V
C137	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C218	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C138	NEH91CM-106X	E.CAPACITOR	10	16V	C219	NEH91CM-476X	E.CAPACITOR	47	16V
C139	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C220	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C140	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C221	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C141	NEH91CM-106X	E.CAPACITOR	10	16V	C222	NCB11AK-106X	CER.CAPACITOR	10	10V
C142	NEH91CM-106X	E.CAPACITOR	10	16V	C224	NCB31CK-473X	CER.CAPACITOR	0.047	16V
C143	NEH91CM-106X	E.CAPACITOR	10	16V					
C144	NEH91CM-106X	E.CAPACITOR	10	16V	C225	NCB31CK-473X	CER.CAPACITOR	0.047	16V
C145	NCS31HJ-100X	CER.CAPACITOR	10p	50V	C226	NCB31CK-473X	CER.CAPACITOR	0.047	16V
					C227	NCB31CK-473X	CER.CAPACITOR	0.047	16V
C146	NEH91CM-226X	E.CAPACITOR	22	16V	C228	NCS31HJ-100X	CER.CAPACITOR	10p	50V
C148	NEH91CM-106X	E.CAPACITOR	10	16V	C229	NEH91CM-106X	E.CAPACITOR	10	16V
C149	NCS31HJ-100X	CER.CAPACITOR	10p	50V	C230	NEH91CM-106X	E.CAPACITOR	10	16V
C150	NEH91CM-226X	E.CAPACITOR	22	16V	C231	NCS31HJ-100X	CER.CAPACITOR	10p	50V
C152	NEH91CM-106X	E.CAPACITOR	10	16V	C235	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C153	NCS31HJ-100X	CER.CAPACITOR	10p	50V	C236	NCB31EK-103X	CER.CAPACITOR	0.01	25V
C154	NEH91CM-106X	E.CAPACITOR	10	16V	C237	NCB31EK-103X	CER.CAPACITOR	0.01	25V
C156	NCS31HJ-100X	CER.CAPACITOR	10p	50V	C237	INCDSTER TOOK	CEN.CALACITON	0.01	204
C150	NEH91CM-106X	E.CAPACITOR	10	16V	C238	NEH91CM-226X	E.CAPACITOR	22	16∨
								33	
C158	NEH91CM-106X	E.CAPACITOR	10	16V	C239	NEH91EM-336X	E.CAPACITOR		25V
0150	NEL IOLON A ADDV	E CADACITOD	140	3.01/	C240	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C159	NEH91CM-106X	E.CAPACITOR	10	16V	C241	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C160	NCS31HJ-100X	CER,CAPACITOR	10p	50V	C242	NEH91CM-106X	E.CAPACITOR	10	16V
C161	NEH91CM-106X	E.CAPACITOR	10	16V	C243	NEH91CM-106X	E.CAPACITOR	10	16V
C162	NCS31HJ-100X	CER.CAPACITOR	10p	50V	C244	NEH91HM-105X	E.CAPACITOR	1	50V
C163	NEH91CM-106X	E.CAPACITOR	10	16V	C245	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C164	NEH91CM-106X	E.CAPACITOR	10	16V	C246	NCB31CK-104X	CER.CAPACITOR	0.1	16V
C165	NEH91CM-106X	E.CAPACITOR	10	16V	C247	NCS31HJ-220X	CER.CAPACITOR	22p	50V
C166	NEH91CM-106X	E.CAPACITOR	10	16V					
C167	NEH91CM-476X	E.CAPACITOR	47	16V	C248	NCB31EK-103X	CER.CAPACITOR	0.01	25∀
C168	NEH91CM-106X	E.CAPACITOR	10	16V	C249	NCB31EK-103X	CER.CAPACITOR	0.01	25V
					C250	NCB31EK-103X	CER.CAPACITOR	0.01	25V
C169	NEH91CM-476X	E.CAPACITOR	47	16V	C251	NDC31HJ-221X	CER.CAPACITOR	220p	50V
C170	NEH91CM-106X	E.CAPACITOR	10	16V	C252	NDC31HJ-121X	CER.CAPACITOR	120p	50V
C171	NEH91CM-106X	E.CAPACITOR	10	16V	C301	NCB31CK-473X	CER.CAPACITOR	0.047	16∨
C172	NEH91CM-106X	E.CAPACITOR	10	16V	C302	NCB31CK-473X	CER.CAPACITOR	0.047	16∨
C173	NEH91CM-106X	E.CAPACITOR	10	16V	C303	NCB31CK-473X	CER.CAPACITOR	0.047	160
C174	NEH91CM-106X	E.CAPACITOR	10	16V	C304	NCB31CK-473X	CÉR.CAPACITOR	0.047	16V
C174	NEH91CM-106X	E.CAPACITOR	10	16V	C305	NCB31CK-104X	CER.CAPACITOR	0.047	16V
C176		CER.CAPACITOR	100p	50V	0305	14CD01CK-104A	OLIT.CAFACITOR	0.1	100
	NCS31HJ-101X	E.CAPACITOR	100p		cane	NCD21CV 104V	CED CADACITOD	0.1	161
C177	NEH91CM-106X			16V	C306	NCB31CK-104X	CER.CAPACITOR	0.1	167
C178	NCB31CK-104X	CER.CAPACITOR	0.1	16V	C307	NCB31CK-104X	CER.CAPACITOR	0.1	16V
0470	NEL INCOLA COM	E CARACITOS	10	4001	C308	NCB31CK-104X	CER.CAPACITOR	0.1	167
C179	NEH91CM-106X	E.CAPACITOR	10	16V	C309	NCB31CK-473X	CER.CAPACITOR	0.047	160
C180	NEHEIEM-107X	E.CAPACITOR	100	25V	C310	NCB31CK-473X	CER.CAPACITOR	0.047	16V
C181	NCS31HJ-101X	CER.CAPACITOR	100p	50V	C311	NCB31CK-104X	CER.CAPACITOR	0.1	16
C182	NEH91CM-106X	E.CAPACITOR	10	16V	C312	NCB31HK-103X	CER.CAPACITOR	0.01	50√

Symbol No.	Part No.	Part Name	Description
C313	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C313	INCB31CK-104X	CER.CAPACITOR	0.047 16V
C314	NCS31HJ-220X	CER.CAPACITOR	22p 50V
6313	NC331HJ-220X	CEII.CAI ACITOII	225 307
C316	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C317	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C318	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C319	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C320	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C321	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C322	NCB31HK-103X	CER.CAPACITOR	0.01 50V
C325	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C326	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C327	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C328	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C329	NCS31HJ-120X	CER.CAPACITOR	12p 50V
C330	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C331	NCB11AK-106X	CER.CAPACITOR	10 10V
C332	NCB11AK-106X	CER.CAPACITOR	10 10V
C333	NCB11AK-106X	CER.CAPACITOR	10 10V
C334	NCB11EK-105X	CER.CAPACITOR	1 25V
C335	NCB11EK-105X	CER.CAPACITOR	1 25V
C336	NCB11EK-105X	CER.CAPACITOR	1 25V
C337	NCB11EK-105X	CER.CAPACITOR	1 25V
		000 045 055	
C338	NCB31HK-103X	CER.CAPACITOR	0.01 50V
C339	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C341	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C343	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C344	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C345	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C346	NCB31CK-104X	CER.CAPACITOR	0.1 16V 56p 50V
C347	NCS31HJ-560X	CER.CAPACITOR	1 7
C348	NCS31HJ-560X	CER.CAPACITOR	1
C349	NDC31HJ-471X	CER.CAPACITOR	470p 50V
C501	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C502	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C503	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C504	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C505	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C506	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C507	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C508	NCB31HK-103X	CER.CAPACITOR	0.01 50V
C509	NCB31HK-103X	CER.CAPACITOR	0.01 50V
C510	NCB11AK-106X	CER.CAPACITOR	10 10V
C511	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C512	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C513	NCB11AK-106X	CER.CAPACITOR	10 10V
C514	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C515	NEH91CM-106X	E.CAPACITOR	10 16V
C516	NCB31HK-103X	CER.CAPACITOR	0.01 50V
C517	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C518	NCB11AK-106X	CER.CAPACITOR	10 10V
C519	NCB31CK-104X	CER.CAPACITOR	0.1 16V 0.1 16V
C520	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C523	NDC31HJ-220X	CER.CAPACITOR	22p 50V
C523	NCB31CK-473X	CER.CAPACITOR	0.047 16V
C601	NCB31CK-104X	CER.CAPACITOR	0.047 16V
C602	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C602	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C604	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C605	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C606	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C608	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C609	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C610	NCB31HK-103X	CER.CAPACITOR	0.01 50V
C611	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C612	NCB31HK-331X	CER.CAPACITOR	330p 50V
C613	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C614	NEH91CM-106X	E.CAPACITOR	10 16V
C615	NCB31HK-122X	CER.CAPACITOR	1200p 50V
C616	NEH91CM-476X	E.CAPACITOR	47   16V   16V
C617	NCB31CK-104X	CER.CAPACITOR	U.1 10V
		I	

Symbol No.	Part No.	Part Name	Description
L101 L102 L103 L104	NQL085J-220X NQL085J-220X NQL085J-220X NQL085J-220X	COIL COIL COIL COIL	22uH 22uH 22uH 22uH
X301 X302 X501	NAX0325-001X NAX0536-001X NAX0536-001X	CRYSTAL CRYSTAL CRYSTAL	32.768KHz 13.5MHz 13.5MHz
S301	NSW0022-001X	DIP SWITCH	
CN1 CN4 CN5 CN7 CN12 CN13 CN14 CN15 CN16	QGF0508F1-40X QGB0502L1-40X QGA1201C2-07X QGF0508C1-45W QGF0508C1-20W QGF0508F1-10X QGA1201F2-08X QGA1201F2-14X QGA1201C2-08X QGA1501C2-07W	CONNECTOR	40PIN 40PIN 7PIN 45PIN 20PIN 10PIN 8PIN 14PIN 8PIN 7PIN
CN18 CN19 CN21 CN101 CN103	QGA2001F2-06X QGA1201F2-13X QGA1201F2-04X QGA1501C2-06W QGF0508C1-45W	CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR	6PIN 13PIN 4PIN 6PIN 45PIN
TP591 TP592 TP593	NNZ0009-001X NNZ0009-001X NNZ0009-001X	TEST POINT TEST POINT TEST POINT	
BT301	QAB0020-001	LI BATTERY	
K1 K2 K3 K4 K5 K6 K7 K8 K9	NOR0200-005X NOR0200-005X NOR0200-005X NOR0200-005X NOR0200-005X NOR0200-004X NOR0200-004X NOR0200-004X NOR0200-004X NOR0200-004X NOR0200-004X	COIL COIL COIL COIL COIL FILTER(CHIP) FILTER(CHIP) FILTER(CHIP) FILTER(CHIP) FILTER(CHIP)	
K11 K12 K13 K14 K15 K16 K103 K104 K105 K106	NQR0200-005X NQR0200-005X NQR0200-005X NQR0200-005X NQR0200-005X NQR0200-004X NQR0200-004X NQR0265-001X NQR0265-001X NQR0265-001X NQR0265-003X	COIL COIL COIL COIL FILTER(CHIP) FERAITE BEADS FERAITE BEADS FERAITE BEADS FERRITE BEADS	
K107 K108 K109 K110 K111 K112 K113 K114 K115 K116	NOR0265-003X NOR0265-001X NOR0265-001X NOR0265-001X NOR0265-001X NOR0265-001X NOR0265-001X NOR0265-003X NOR0265-001X NOR0265-001X NOR0265-001X	FERRITE BEADS FERAITE BEADS FERAITE BEADS FERAITE BEADS FERAITE BEADS FERAITE BEADS FERRITE BEADS FERAITE BEADS FERAITE BEADS FERAITE BEADS FERAITE BEADS FERAITE BEADS FERAITE BEADS	
K117 K118 K119 K120 K121 K122 K301	NQR0265-001X NQR0265-001X NQR0265-001X NQR0265-003X NQR0265-003X NQR0265-003X NQR0265-001X	FERAITE BEADS FERAITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS	

6.3 FRONT BOARD ASSEMBLY PARTS LIST 0 3
LK2130A0A1 0 3

Symbol	Part No.	Part Name	Description
No.			Description
K302	NQR0265-001X	FERAITE BEADS	
K303	NQR0265-001X	FERAITE BEADS	
K304	NQR0265-003X	FERRITE BEADS	
K305	NQR0265-003X	FERRITE BEADS	
K306	NQR0265-003X	FERRITE BEADS	
K307	NQR0265-003X	FERRITE BEADS	
K308	NQR0265-001X	FERAITE BEADS	
K309	NQR0265-001X	FERAITE BEADS	
K310	NQR0265-001X	FERAITE BEADS	
K311	NQR0265-001X	FERAITE BEADS	
K312	NQR0265-003X	FERRITE BEADS	
K313	NQR0265-001X	FERAITE BEADS	
K314	NQR0265-001X	FERAITE BEADS	
		1	
K501	NQR0265-003X	FERRITE BEADS	
K502	NQR0265-003X	FERRITE BEADS	
K503	NQR0265-001X	FERAITE BEADS	
K504	NQR0265-001X	FERAITE BEADS	
K505	NQR0265-001X	FERAITE BEADS	
K506	NQR0265-003X	FERRITE BEADS	
K507	NQR0265-003X	FERRITE BEADS	
K508	NQR0265-003X	FERRITE BEADS	
K509	NQR0265-003X	FERRITE BEADS	
K510	NQR0265-001X	FERAITE BEADS	
K511	NQR0265-003X	FERRITE BEADS	
K512	NQR0265-001X	FERAITE BEADS	
K513	NQR0265-001X	FERAITE BEADS	
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		1	
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		1	
		1 1	

9	Symbol No.	Part No.	Part Name	Description
	IC1 IC2 IC3	SN74LV165ADGV-X SN74LV165ADGV-X NJU7222U30-X		TEXAS TEXAS JRC
	Q1 Q2	DTA124EUA-X DTA124EUA-X	TRANSISTOR TRANSISTOR	ROHM ROHM
	LD1 LD2 LD3 LD4 LD5 LD6 LD7 LD8 LD9 LD10	SPR-325MVVV-T SLR-342MG3F SLR-342MG3F SLR-342MG3F SLR-342MG3F SLR-342MG3F SLR-342VR3F SLR-342VR3F SLR-342VR3F SLR-342VR3F	L.E.D. L.E.D. L.E.D. L.E.D. L.E.D. L.E.D. L.E.D. L.E.D. L.E.D. L.E.D. L.E.D.	ROHM, OPERATE ROHM, EJECT ROHM, STOP ROHM, PLAY ROHM, PAUSE ROHM, FF ROHM, REW ROHM, REC ROHM, A. DUB ROHM, CASSETTE
	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10	NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X	M.G.RESISTOR	1k 1/16W 1k 1/16W 1k 1/16W 1k 1/16W 1k 1/16W 1k 1/16W 1k 1/16W 1k 1/16W 1k 1/16W 1k 1/16W
	R11 R12 R13 R14 R15 R16 R17 R18 R19 R20	NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X	M.G.RESISTOR	1k 1/16W 1k 1/16W 1k 1/16W 1k 1/16W 1k 1/16W 1k 1/16W 1k 1/16W 1k 1/16W 1k 1/16W 1k 1/16W
	R21 R22 R23 R24 R25 R26 R27 R28 R29 R30	NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X	M.G.RESISTOR	1k 1/16W 1k 1/16W 1k 1/16W 1k 1/16W 22k 1/16W 22k 1/16W 22k 1/16W 22k 1/16W 22k 1/16W 22k 1/16W 22k 1/16W
	R31 R32 R33 R34 R35 R36 R37 R38 R39 R40	NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-271X	M.G.RESISTOR	22k 1/16W 22k 1/16W 22k 1/16W 22k 1/16W 22k 1/16W 22k 1/16W 22k 1/16W 22k 1/16W 22k 1/16W 22k 1/16W 270 1/16W
	R41 R42 R43 R44 R45 R46 R47 R48 R49 R51	NRSA63J-271X NRSA63J-271X NRSA63J-271X NRSA63J-271X NRSA63J-271X NRSA63J-271X NRSA63J-271X NRSA63J-271X NRSA63J-271X NRSA63J-271X NRSA63J-271X	M.G.RESISTOR	270 1/16W 270 1/16W
	R52	NRSA63J-181X	M.G.RESISTOR	180 1/16W
	VR1	QVQ0312-B23	VAL.RESISTOR	2k REC VR CH1/3

# 6.4 MBLK BOARD ASSEMBLY PARTS LIST 0.4

				LK2	131A0A2		04
Symbol No.	Part No.	Part Name	Description	Symbol No.	Part No.	Part Name	Description
VR2 VR3 C1 C2 C3	QVQ0312-B23 QVQ0312-B23 NCB31CK-104X NCB31CK-104X NBE21AM-106X	VAL.RESISTOR VAL.RESISTOR  CER.CAPACITOR CER.CAPACITOR TAN.CAPACITOR	2k REC VR CH2/4 2k H.PHONE VR 0.1 16V 0.1 16V	Q1 Q2 Q3 Q4 Q5 Q6	2SC4626/BC/-X 2SC4626/BC/-X 2SC4626/BC/-X 2SD874/QR/-X 2SD874/QR/-X DTA144EUA-X	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA ROHM
C4 C5 C6 C7 C8 C9 C10 C11 C12 C13	NCB31CK-104X NBE21AM-106X NCB31CK-104X NBE21AM-106X NCB31CK-104X NCB31HK-103X NBE21AM-106X NCB31HK-103X NDC31HJ-220X NDC31HJ-220X	CER.CAPACITOR TAN.CAPACITOR TAN.CAPACITOR TAN.CAPACITOR CER.CAPACITOR CER.CAPACITOR TAN.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR	0.1 16V 10 10V 0.1 16V 10 10V 0.1 16V 0.01 50V 10 10V 0.01 50V 22p 50V 22p 50V	R1 R2 R3 R4 R5 R6 R7 R8 R9	NRSA63J-103X NRSA63J-663X NRSA63J-223X NRSA63J-473X NRSA63J-473X NRSA63J-223X NRSA63J-563X NRSA63J-503X NRSA63J-102X NRSA63J-102X NRSA63J-102X	M.G.RESISTOR	10k 1/16W 56k 1/16W 22k 1/16W 47k 1/16W 22k 1/16W 22k 1/16W
S1	QSW0334-001	SLIDE SWITCH	REMOTE	R11	NRSA63J-471X	M.G.RESISTOR	470 1/16W
\$2 \$3 \$4 \$5 \$6 \$7 \$8 \$9 \$10	QSW0340-001 QSW0340-001 QSW0340-001 QSW0340-001 NSW0202-001X NSW0202-001X NSW0202-001X NSW0202-001X NSW0202-001X NSW0202-001X	SLIDE SWITCH SLIDE SWITCH SLIDE SWITCH SLIDE SWITCH TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH	INPUT SELECT AUDIO OUTPUT COUNTER AUDIO MONITOR REC PAUSE FF PLAY REW	C1 C2 C3 C4 C5 C6 C7 C8 C9	NCB31HK-103X NCB31CK-104X NCB31CK-105X NDC31HJ-151X NCB31HK-103X NCB31HK-562X NFV41HJ-273X NCZ1016-150X NCZ1016-150X	CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR FILM CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR	0.01 50V 0.1 16V 1 16V 150p 50V 0.01 50V 5600p 50V 0.027 50V 15p
S11 S12 S13 S14	NSW0202-001X NSW0202-001X NSW0202-001X NSW0202-001X	TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH	STOP A.DUB EJECT OPERATE	C10 C11	NCZ1016-150X NCZ1016-150X NBE41CM-226X	CER.CAPACITOR TAN.CAPACITOR	15p 22 16V
S15 S16 S17 S18 S19	NSW0202-001X NSW0202-001X NSW0202-001X NSW0202-001X NSW0202-001X	TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH	MENU DISP INDEX+ INDEX- BLANK	L1 L2	NQLZ010-220X NQLZ010-220X	COIL	22uH 22uH
S20 S21 S22	NSW0202-001X NSW0202-001X NSW0202-001X	TACT SWITCH TACT SWITCH TACT SWITCH	RESET SET HOLD	CN6 CN34	QGF0508F1-33X QGF0517F1-24X	CONNECTOR CONNECTOR	33PIN 24PIN
S23	NSW0202-001X	TACT SWITCH	CUE UP	T1	NQS0037-001X	SW TRANSF	The same of the sa
CN1	QGF0508F1-40X	CONNECTOR	40PIN				
TP1	NNZ0009-001X	TEST POINT	TP1 TO TP5				
K1 K2 K3 K4 K5 K6	NQR0200-005X NQR0200-005X NQR0200-005X NQR0200-005X NQR0200-005X NQR0200-005X NQR0200-005X	FERAITE BEADS FERAITE BEADS FERAITE BEADS FERAITE BEADS FERAITE BEADS FERAITE BEADS FERAITE BEADS					
TB1 TB2	NNZ0006-001X NNZ0006-001X	EARTH TERMINAL EARTH TERMINAL					

# 6.5 MIC BOARD ASSEMBLY PARTS LIST 05

LK2	130A0B2	0 5		
Symbol No.	Part No.	Part Name	Descript	ion
D1 D2 D3 D4 D5 D6 D7	MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X	ZENER DIODE	MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA	
R1 R2	NRSA63J-0R0X NRSA63J-0R0X	M.G.RESISTOR M.G.RESISTOR	1 -	1/16W 1/16W
C1 C2 C3 C4 C5 C6 C8	NDC31HJ-221X NDC31HJ-221X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NDC31HJ-101X	CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR	220p 220p 0.1 0.1 0.1 0.1 100p	50V 50V 16V 16V 16V 16V 50V
L1 L2 L3	NQL085J-100X NQL085J-100X NQL085J-100X	COIL COIL	10uH 10uH 10uH	
LC1 LC2 LC3	NQR0155-004X NQR0155-004X NQR0155-004X	LC FILTER LC FILTER LC FILTER		:
CN14	QGA1201F2-08X	CONNECTOR	8PIN	
TP1 TP2	NNZ0009-001X NNZ0009-001X	TEST POINT TEST POINT		
JK1 JK2	QNS0045-001 QNS0045-001	3.5 JACK 3.5 JACK	MIC H.PHONE	

#### 6.6 DCDC BOARD ASSEMBLY PARTS LIST 06 06 LA2131A0A1

Symbol No.	Part No.	Part Name	Description
IC1 IC2	BA9743AFV-X	I.C.(M)	ROHM
IC2	BA9743AFV-X BA9743AFV-X	I.C.(M) I.C.(M)	ROHM ROHM
IC3	NJM78M05DL1A-X		JRC
IC5	NJM78M12DL1A-X		JRC
105	NJIVI/8WITZDLTA-X	I.C.(M)	JAC
Q2	DTC114EUA-X	TRANSISTOR	ROHM
Q3	HAT1020R-X	TRANSISTOR	HITACHI
Q4	DTC114EUA-X	TRANSISTOR	ROHM
Q6	HAT1020R-X	TRANSISTOR	HITACHI
Q7 .	2SC4097/QR/-X	TRANSISTOR	ROHM
Q8	2SA 1577/QR/-X	TRANSISTOR	ROHM
Ω9	2SJ484WY-X	FET	HITACHI
Q10	2SC4097/QR/-X	TRANSISTOR	ROHM
Q11	2SA 1577/QR/-X	TRANSISTOR	ROHM
Q12	HAT1020R-X	TRANSISTOR	HITACHI
Q13	2SC4097/QR/-X	TRANSISTOR	ROHM
Q14	2SA 1577/QR/-X	TRANSISTOR	ROHM
Q15	2SJ484WY-X	FET	HITACHI
Q19	2SC4097/QR/-X	TRANSISTOR	ROHM
Q20	2SA 1577/QR/-X	TRANSISTOR	ROHM

Symbol No.	Part No.	Part Name	Description
O21	HAT1020R-X	TRANSISTOR	HITACHI
O22	2SA1577/QR/-X	TRANSISTOR	ROHM
O23	2SC4097/QR/-X	TRANSISTOR	ROHM
O24	HAT2020R-X	TRANSISTOR	HITACHI
O25	2SC4097/QR/-X	TRANSISTOR	ROHM
Q26	2SA1577/QR/-X	TRANSISTOR	ROHM
Q27	HAT1020R-X	TRANSISTOR	HITACHI
D1	SB140L-6395	DIODE	SANYO
D5	SFPB-72-W	SB DIODE	SANKEN
D6	SFPB-72-W	SB DIODE	SANKEN
D7	SFPB-72-W	SB DIODE	SANKEN
D9	SFPB-72-W	SB DIODE	SANKEN
D10	SFPB-72-W	SB DIODE	SANKEN
D11	SFPB-72-W	SB DIODE	SANKEN
R1 R2 R3 R4 R5 R6 R7 R8 R9	NRSA63J-153X NRSA63J-472X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-153X NRSA63J-103X NRSA63J-103X NRSA63J-0R0X NRSA63J-0R0X NRSA63D-273X	M.G.RESISTOR	15k 1/16W 4.7k 1/16W 10k 1/16W 4.7k 1/16W 10k 1/16W 4.7k 1/16W 15k 1/16W 15k 1/16W 0 1/16W 0 1/16W 27k 1/16W
R12	NRSA63D-472X	M.G.RESISTOR	4.7k 1/16W
R13	NRSA63J-123X		4.7k 1/16W
R14	NRSA63J-123X		12k 1/16W
R15	NRSA63D-472X		4.7k 1/16W
R16	NRSA63D-072X		4.7k 1/16W
R18	NRSA63J-070X		27k 1/16W
R19	NRSA63J-273X		27k 1/16W
R20	NRSA63D-332X		3.3k 1/16W
R25	NRSA63J-471X		470 1/16W
R26	NRSA63J-332X		3.3k 1/16W
R27	NRSA63J-100X	M.G.RESISTOR	10 1/16W
R28	NRSA63D-392X		3.9k 1/16W
R29	NRSA63J-392X		0 1/16W
R30	NRSA63J-0R0X		1.3k 1/16W
R32	NRSA63J-471X		470 1/16W
R33	NRSA63J-332X		3.3k 1/16W
R34	NRSA63J-100X		10 1/16W
R35	NRSA63D-222X		2.2k 1/16W
R36	NRSA63D-322X		3.3k 1/16W
R37	NRSA63D-362X		3.3k 1/16W
R39 R40 R41 R42 R43 R46 R47 R48 R50 R51	NRSA63J-471X NRSA63J-332X NRSA63J-100X NRSA63D-333X NRSA63D-202X NRSA63J-0R0X NRSA63J-153X NRSA63D-153X NRSA63D-273X NRSA63D-273X NRSA63D-472X	M.G.RESISTOR	470 1/16W 3.3k 1/16W 10 1/16W 33k 1/16W 2k 1/16W 0 1/16W 15k 1/16W 10k 1/16W 27k 1/16W 4.7k 1/16W
R52 R53 R54 R56 R57 R58 R66 R67 R68 R69	NRSA63D-472X NRSA63D-472X NRSA63D-472X NRSA63J-0R0X NRSA63J-123X NRSA63D-273X NRSA63J-471X NRSA63J-332X NRSA63J-300X NRSA63J-100X NRSA63D-472X	M.G.RESISTOR	4.7k 1/16W 4.7k 1/16W 4.7k 1/16W 0 1/16W 12k 1/16W 27k 1/16W 470 1/16W 3.3k 1/16W 10 1/16W 4.7k 1/16W
R70	NRSA63D-102X	M.G.RESISTOR	1k 1/16W
R71	NRSA63D-152X	M.G.RESISTOR	1.5k 1/16W
R73	NRSA63J-472X	M.G.RESISTOR	4.7k 1/16W
R74	NRSA63J-103X	M.G.RESISTOR	10k 1/16W
R76	NRSA63D-153X	M.G.RESISTOR	15k 1/16W
R77	NRSA63D-273X	M.G.RESISTOR	27k 1/16W

Symbol No.	Part No.	Part Name	Description
R78	NRSA63D-472X	M.G.RESISTOR	4.7k 1/16W
R79	NRSA63D-472X	M.G.RESISTOR	4.7k 1/16W
R80	NRSA63D-472X	M.G.RESISTOR	4.7k 1/16W
R81	NRSA63D-472X	M.G.RESISTOR	4.7k 1/16W
R82 R84 R85 R86 R87 R88 R89 R90 R91	NRSA63D-472X NRSA63J-0R0X NRSA63D-153X NRSA63D-273X NRSA63J-311X NRSA63J-102X NRSA63J-391X NRSA63J-683X NRSA63D-682X NRSA63D-682X NRSA63D-682X	M.G.RESISTOR	4.7k 1/16W 0 1/16W 15k 1/16W 27k 1/16W 330 1/16W 1k 1/16W 390 1/16W 68k 1/16W 6.8k 1/16W 6.8k 1/16W
R94 R95 R96 R97 R98 R100 R101 R103 R104 R105	NRSA63J-471X NRSA63J-332X NRSA63J-100X NRSA63D-333X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-223X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X	M.G.RESISTOR	470 1/16W 3.3k 1/16W 10 1/16W 33k 1/16W 0 1/16W 0 1/16W 22k 1/16W 0 1/16W 0 1/16W 0 1/16W 0 1/16W
R106	NRSA63J-0R0X	M.G.RESISTOR	0 1/16W
R107	NRSA63J-0R0X	M.G.RESISTOR	0 1/16W
R108	NRSA63J-0R0X	M.G.RESISTOR	0 1/16W
R115	NRSA63J-0R0X	M.G.RESISTOR	0 1/16W
C1 C5 C9 C11 C12 C13 C14 C15 C16	NEH91EM-336X NCB31HK-103X NCB31HK-105X NCB11CK-105X NCS31HJ-221X NCB31HK-103X NCB31CK-104X NCB11CK-105X NCB31HK-103X NCB31HK-103X	E.CAPACITOR CER.CAPACITOR	33 25V 0.01 50V 0.01 50V 1 16V 220p 50V 0.01 50V 0.1 16V 1 16V 0.01 50V 0.01 50V
C18	NCB11CK-105X	CER.CAPACITOR CER.CAPACITOR TAN.CAPACITOR TAN.CAPACITOR TAN.CAPACITOR CER.CAPACITOR TAN.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR TAN.CAPACITOR	1 16V
C22	NCB11CK-105X		1 16V
C23	NBE51CM-336X		33 16V
C24	NCB31HK-103X		0.01 50V
C25	NBE51CM-336X		33 16V
C26	NCB31CK-104X		0.1 16V
C27	NCB31CK-104X		33 16V
C28	NCB31CK-104X		0.1 16V
C29	NCB1CK-105X		1 16V
C30	NBE51AM-336X		33 10V
C31	NCB31HK-103X	CER.CAPACITOR TAN.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR E.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR	0.01 50V
C32	NBE51AM-336X		33 10V
C33	NCB31CK-104X		0.1 16V
C34	NBE51AM-336X		33 10V
C35	NCB31CK-104X		0.1 16V
C36	NCB11CK-105X		1 16V
C37	NCB11CK-105X		100 25V
C38	NCB41CM-106X		10 16V
C40	NCB31HK-103X		0.01 50V
C42	NCB41CM-106X		10 16V
C43 C44 C45 C46 C47 C48 C49 C50 C51	NCB41CM-106X NCB31CK-104X NCB31CK-104X NCB31HK-472X NCS31HJ-221X NCB11CK-105X NCB31HK-103X NCF31CZ-224X NCB11CK-105X NCB31HK-103X	CER.CAPACITOR	10 16V 10 16V 0.1 16V 4700p 50V 220p 50V 1 16V 0.01 50V 0.22 16V 1 16V 0.01 50V
C53	NCB11CK-105X	CER.CAPACITOR	1 16V
C64	NCB11CK-105X	CER.CAPACITOR	1 16V
C65	NBE71DM-336X	TAN.CAPACITOR	33 20V

Symbol No.	Part No.	Part Name	Description	
C68	NCB31HK-103X	CER.CAPACITOR		0V
C69	NBE71DM-336X	TAN.CAPACITOR		0V
C73	NCB31CK-104X	CER.CAPACITOR		6V
C74	NCB31CK-223X	CER.CAPACITOR		6V
C75	NCS31HJ-221X	CER.CAPACITOR	1	0V 6V
C76 C77	NCB11CK-105X NCB31HK-103X	CER.CAPACITOR CER.CAPACITOR	1.	0V
C78	NCF31CZ-224X	CER.CAPACITOR	0.22 1	6V
C79	NCB11CK-105X	CER.CAPACITOR		6V
C80	NCB31HK-103X	CER.CAPACITOR		ΟV
C81	NCB11CK-105X	CER.CAPACITOR	1 1	6V
C82	NCB11CK-105X	CER.CAPACITOR		6V
C83	NEX51DM-476X	E.CAPACITOR		0V
C86	NCB31HK-103X	CER.CAPACITOR		0V
C88 C89	NCB41CM-106X NCB41CM-106X	CER.CAPACITOR CER.CAPACITOR		6V 6V
C90	NCB41CM-106X	CER.CAPACITOR	1	6V
C91	NCB31CK-104X	CER.CAPACITOR	0.1 1	6V
C92	NCB11CK-105X	CER.CAPACITOR		6V
C93	NEHE1EM-107X	E.CAPACITOR		5V
C94	NCB11AK-106X	CER.CAPACITOR	1	0V
C96	NCB31HK-103X	CER.CAPACITOR	1	0V
C102	NCF31CZ-334X	CER.CAPACITOR	1	6V
C104	NCB31CK-104X NCF31CZ-334X	CER.CAPACITOR	1	6V 6V .
C105 C107	NCF31CZ-334X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR		6V . 6V
C107	NCB31CK-104X	CER.CAPACITOR		6V
C111	NCS31HJ-221X	CER.CAPACITOR	220p 5	0V
L1	NQL25CM-330X	COIL	33uH	
L2	SSV2810-330V	COIL	33uH	
L3	SSV2810-330V	COIL	33uH	
L4	NQL25CM-330X	COIL	33uH	
L5	SSV2810-330V	COIL	33uH	
L6 L7	SSV2810-330V NQL25CM-470X	COIL	33uH  47uH	
L/ L8	SSV2810-330V	COIL	33uH	
L11	NQL25CM-330X	COIL	33uH	
L12	SSV2810-330V	COIL	33uH	
L13	NQL44CM-6R8X	COIL	6.8uH	
L14 L15	SSV2810-330V NQL25CM-470X	COIL	33uH 47uH	
L.0				
ΔF1	NMFZ011-4R0X-S	FUSE	SOC 4A/63V	
CN11	QGA1201F2-10X	CONNECTOR	10PIN	
CN15	QGA1201F2-14X	CONNECTOR	14PIN	
CN31	QGA3901F2-02	CONNECTOR	2PIN	
CN32	QGA1201F2-02X	CONNECTOR	2PIN	
CN33 CN111	QGA1201F2-08X QGA2501F1-02	CONNECTOR	8PIN 2PIN	
			,	
TP1 TP4	NNZ0009-001X NNZ0009-001X	TEST POINT TEST POINT	TP1 & TP2 TP4 TO TP6	
TP8	NNZ0009-001X	TEST POINT	TP8 TO TP12	
TP20	NNZ0009-001X	TEST POINT		
K1	NQR0200-005X	FERAITE BEADS	K1 TO K15	
KI	NGHUZUU-UUJA	LIVAITE DEADS	KI IO KIS	
TB1 TB2	NNZ0006-001X NNZ0006-001X	EARTH TERMINAL EARTH TERMINAL		
ID2	1414Z0000-001X	LANTH TENIVIINAL		

# 6.7 REAR1 BOARD ASSEMBLY PARTS LIST 07

	7 REAR1 BOARD ASSEMBLY PARTS LIST 0 7 LK2133A0B1 0 7						
Symbol No.	Part No.	Part Name	Description				
D1 D2 D3 D4 D5 D6 D7 D8 D9	MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X	ZENER DIODE	MATSUSHITA				
D11 D12 D13 D14 D15 D16 D17 D18 D19	MA3091/M/X MA3091/M/X MA3091/M/X MA3091/M/X MA3091/M/X MA3091/M/X MA3091/M/X MA3091/M/X MA3091/M/X MA3091/M/X MA3091/M/X	ZENER DIODE	MATSUSHITA				
D21 D22 D23 D24 D25 D26 D27 D28 D29 D30	MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X	ZENER DIODE	MATSUSHITA				
D31 D32 D33 D34 D35 D36 D37 D38 D39 D40	MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X MA3091/M/-X	ZENER DIODE	MATSUSHITA				
D41 D42	MA3091/M/-X MA3091/M/-X	ZENER DIODE ZENER DIODE	MATSUSHITA MATSUSHITA				
R1 R2	NRSA63J-0R0X NRSA63J-0R0X	M.G.RESISTOR M.G.RESISTOR	0 1/16W 0 1/16W				
C2 C3 C4 C5 C6 C7 C10	NDC31HJ-221X NDC31HJ-221X NDC31HJ-221X NDC31HJ-221X NDC31HJ-221X NDC31HJ-221X NDC31HJ-221X	CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR	220p 50V 220p 50V 220p 50V 220p 50V 220p 50V 220p 50V 220p 50V 220p 50V				
L1 L2 L3 L4 L5	NQL024J-100X NQL024J-100X NQL024J-100X NQL024J-100X NQL024J-100X	COIL COIL COIL COIL	10uH 10uH 10uH 10uH 10uH				
J101 J102 J103 J104 J105 J106 J107 J108	ONZ0226-001 ONZ0226-001 ONZ0169-001 ONZ0169-001 ONZ0169-001 ONZ0169-001 ONX0169-001 ONN0236-001 ONN0232-001	CONNECTOR CONNECTOR BNC CONNECTOR BNC CONNECTOR BNC CONNECTOR BNC CONNECTOR RCA JACK RCA JACK	Y/C IN Y/C OUT VIDEO COMP Y COMP R-Y COMP B-Y AUDIO I/O CH2 AUDIO I/O CH1				
CN2 CN3 CN4 CN19	QGA1501F1-08 QGA1501F1-10 QGA1501F1-11 QGA1501F1-13	CONNECTOR CONNECTOR CONNECTOR CONNECTOR	8PIN 10PIN 11PIN 13PIN				
K2	PGZ01693-009Z	FERRITE BEADS					

# 6.8 REAR2 BOARD ASSEMBLY PARTS LIST 08

	133A0A2	08	
Symbol No.	Part No.	Part Name	Description
D1	MA3091/M/-X	ZENER DIODE	MATSUSHITA
D2	MA3091/M/-X	ZENER DIODE	MATSUSHITA
D3	MA3091/M/-X	ZENER DIODE	MATSUSHITA
R1	NRSA63J-0R0X	M.G.RESISTOR	0 1/16W
R2	NRSA63J-0R0X	M.G.RESISTOR	0 1/16W
R3	NRSA63J-0R0X	M.G.RESISTOR	0 1/16W
R4	NRSA63J-0R0X	M.G.RESISTOR	0 1/16W
S1	QSW0300-003	SLIDE SWITCH	TIMER SWITCH
J201	QNZ0097-001	JACK	DV CONNECTOR
J202	QNS0037-001	3.5 JACK	SERIAL REMOTE
J203	QNS0037-001	3.5 JACK	SERIAL REMOTE
J204	QNS0033-001	DC JACK	DC 12V
CN5	QGA1501F1-07	CONNECTOR	7PIN
CN31	QGA3901F2-02	CONNECTOR	2PIN
CN101	QGA1501F1-06	CONNECTOR	6PIN
K1	PGZ01693-009Z	FERRITE BEADS	
K2	PGZ01693-009Z	FERRITE BEADS	
K3	PGZ01693-009Z	FERRITE BEADS	
K4	PGZ01693-009Z	FERRITE BEADS	
K5	PGZ01693-009Z	FERRITE BEADS	

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Symbol No.	Part No.	Part Name	Description
J301	PGZ01516	CONNECTOR	12PIN, FEMALE
CN16	QGA1501F1-08	CONNECTOR	8PIN

# 6.10 SLOT MOTHER BOARD ASSEMBLY PARTS LIST 10 LK2130A0A3

Symbol Part No.	Part Name	Description
CN8 OGF0508C1-2 CN12 OGF0508C1-2 CN21 OGA1201C2-0 CN33 OGA1201C2-0 CN34 OGB1209J1-6 CN101 OGA1201C2-0	OW CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR	24PIN 20PIN 4PIN 8PIN 60PIN 6PIN

# 6.11 DV/CPU BOARD ASSEMBLY PARTS LIST 11

LK	LK2125C0B 111								
Symbol No.	Part No.	Part Name	Descript	tion	Symbol No.	Part No.	Part Name		escription
IC1	JCY0132	I.C.(M)	JAC		R128	NRSA63J-392X	M.G.RESISTOR	3.9k	1/16W
IC2	TC7SH00FU-X	I.C.(M)	TOSHIBA	1	R129	NRSA63J-392X	M.G.RESISTOR	3.9k	1/16W
IC3	TC7SH00FU-X	I.C.(M)	TOSHIBA	1	R130	NRSA63D-560X	M.G.RESISTOR	56	1/16W
IC101	TLC2940IPW-X	I.C.(M)	TEXAS		R131	NRSA63D-560X	M.G.RESISTOR	56	1/16W
IC102	JCY0136-X	I.C.(M)	JVC		R132	NRSA63D-560X	M.G.RESISTOR	56	1/16W
IC103	JCY0152	I.C.(M)	JVC						
IC104		I.C.(M)	TEXAS		R133	NRSA63D-560X	M.G.RESISTOR	56	1/16W
IC105	SN74AHC574PW-X	I.C.(M)	TEXAS	ŀ	R134	NRSA63D-512X	M.G.RESISTOR	5.1k	1/16W
IC106	SN74AHC245DGV-X		TEXAS		R139	NRSA63J-330X	M.G.RESISTOR	33	1/16W
IC107	TC7W53FU-X	I.C.(M)	TOSHIBA	l	R141	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
				i	R142	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
IC301	M95320-WMN6-X	I.C.(M)	MITSUBISHI	ŀ	R147	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
IC302	PLSL1152	I.C.(M)	MN103SF33NY4	۱ <b>ا</b>	R148	NRSA63J-681X	M.G.RESISTOR	680	1/16W
IC303	RN5VD26AA-X	I.C.(M)	RICHO	.	R149	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
IC402	MM1571JN-X	I.C.(M)	MITSUMI	- 1	R150	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
IC404	TC7W14FU-X	I.C.(M)	TOSHIBA	- 1	R151	NRSA63J-224X	M.G.RESISTOR	220k	1/16W
IC405	M62366GP-X	I.C.(M)	MITSUBISHI	- 1					
				- 1	R152	NRSA63J-224X	M.G.RESISTOR	220k	1/16W
				i	R153	NRSA63J-105X	M.G.RESISTOR	1M	1/16W
Q102	DTC143EUA-X	TRANSISTOR	ROHM	- 1	R154	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
0402	DTA114EUA-X	TRANSISTOR	ROHM		R155	NRSA63J-560X	M.G.RESISTOR	56	1/16W
0403	DTA114EUA-X	TRANSISTOR	ROHM	1	R156	NRSA63J-560X	M.G.RESISTOR	56	1/16W
Q404	DTA114EUA-X	TRANSISTOR	ROHM	- 1	R157	NRSA63J-560X	M.G.RESISTOR	56	1/16W
Q405	DTA114EUA-X	TRANSISTOR	ROHM	I	R158	NRSA63J-560X	M.G.RESISTOR	56	1/16W
Q406	UMC3N-W	TRANSISTOR	ROHM	l	R159	NRSA63J-560X	M.G.RESISTOR	56	1/16W
Q407	UMC3N-W	TRANSISTOR	ROHM		R160	NRSA63J-560X	M.G.RESISTOR	56	1/16W
0408	UMC3N-W	TRANSISTOR	ROHM		R164	NRSA63J-560X	M.G.RESISTOR	56	1/16W
0409	UMC3N-W	TRANSISTOR	ROHM						
Q410	DTA114EUA-X	TRANSISTOR	ROHM		R165	NRSA63J-560X	M.G.RESISTOR	56	1/16W
2.10					R166	NRSA63J-560X	M.G.RESISTOR	56	1/16W
Q411	2SA1577/PQ/-X	TRANSISTOR	вонм	i	R167	NRSA63J-560X	M.G.RESISTOR	56	1/16W
Q412	2SA1577/PQ/-X	TRANSISTOR	ROHM		R168	NRSA63J-560X	M.G.RESISTOR	56	1/16W
2,,,		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			R169	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
					R170	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
D101	EC2C01C-X	DIODE ARRAY	SANYO		R171	NRSA63J-330X	M.G.RESISTOR	33	1/16W
D102	EC2C01C-X	DIODE ARRAY	SANYO		R172	NRSA63J-330X	M.G.RESISTOR	33	1/16W
D103	EC2C01C-X	DIODE ARRAY	SANYO		R173	NRSA63J-330X	M.G.RESISTOR	33	1/16W
D401	DAN202U-X	DIODE	ROHM		R174	NRSA63J-330X	M.G.RESISTOR	33	1/16W
D402	DAN202U-X	DIODE	ROHM					}	
D403	DAN202U-X	DIODE	ROHM		R176	NRSA63J-105X	M.G.RESISTOR	1M	1/16W
					R178	NRSA63J-182X	M.G.RESISTOR	1.8k	1/16W
					R179	NRSA63J-561X	M.G.RESISTOR	560	1/16W
R3	NRSA63J-471X	M.G.RESISTOR	470	1/16W	R181	NRSA63J-330X	M.G.RESISTOR	33	1/16W
R4	NRSA63J-104X	M.G.RESISTOR	100k	1/16W	R183	NRSA63J-330X	M.G.RESISTOR	33	1/16W
R5	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R189	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R6	NRSA63J-241X	M.G.RESISTOR	240	1/16W	R301	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R7	NRSA63J-241X	M.G.RESISTOR	240	1/16W	R302	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R8	NRSA63J-241X	M.G.RESISTOR	240	1/16W	R303	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R9	NRSA63J-241X	M.G.RESISTOR	240	1/16W	R304	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R10	NRSA63J-223X	M.G.RESISTOR	22k	1/16W					
R11	NRSA63J-472X	M.G.RESISTOR	4.7k	1/16W	R305	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R12	NRSA63J-471X	M.G.RESISTOR	470	1/16W	R306	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
					R307	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R13	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R308	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R14	NRSA63D-560X	M.G.RESISTOR	56	1/16W	R309	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R101	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W	R310	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R104	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R311	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R105	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R312	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R106	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R313	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R107	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R314	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R108	NRSA63J-221X	M.G.RESISTOR	220	1/16W					
R109	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R315	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R111	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R316	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
				I	R317	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R112	NRSA63J-151X	M.G.RESISTOR	150	1/16W	R318	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R113	NRSA63J-302X	M.G.RESISTOR	3k	1/16W	R319	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R114	NRSA63J-151X	M.G.RESISTOR	150	1/16W	R320	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R115	NRSA63J-302X	M.G.RESISTOR	3k	1/16W	R321	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R116	NRSA63J-220X	M.G.RESISTOR	22	1/16W	R322	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R117	NRSA63J-220X	M.G.RESISTOR	22	1/16W	R323	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R118	NRSA63J-105X	M.G.RESISTOR	1M	1/16W	R324	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R119	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W					
R120	NRSA63J-562X	M.G.RESISTOR	5.6k	1/16W	R325	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R121	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W	R326	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
11121	. II IO IOOU ZZZA			.,	R327	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R122	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R328	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R122	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R329	NRSA63J-474X	M.G.RESISTOR	470k	1/16W
R123	NRSA63J-224X	M.G.RESISTOR	220k	1/16W	R330	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R124	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W	R331	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
	NRSA63J-242X	M.G.RESISTOR	2.4k	1/16W	R332	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R127						114110/1000 100A			

# [DV/CPU]

Symbol No.	Part No.	Part Name	Descri	otion	Symbol No.	Part No.	Part Name	Desi	cription
	NDC 400 L 1 = = 11	14 0 DE016707	401	4/4 (0) 5 1		NDO LOG LICENIA	LA O DEGICTOR	1001	445111
R333	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R455	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R334	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R456	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
					R457	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R335	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R458	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R336	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R459	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
R337	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R460	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
R338	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R461	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R339	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R462	NRSA63J-125X	M.G.RESISTOR	1.2M	1/16W
R340	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R463	NRSA63J-824X	M.G.RESISTOR	820k	1/16W
R341	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R464	NRSA63J-275X	M.G.RESISTOR	2.7M	1/16W
R342	NRSA63J-103X	M.G.RESISTOR	10k	1/16W					, , , , ,
R343	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R465	NRSA63J-824X	M.G.RESISTOR	820k	1/16W
R344	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R466	NRSA63J-275X	M.G.RESISTOR	2.7M	1/16W
				.,	R467	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
R345	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R468	NRSA63J-125X	M.G.RESISTOR	1.2M	1/16W
R346	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R469	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
R347	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R470	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R348	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R471	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R349	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R472	NRSA63J-101X	M.G.RESISTOR	100	
									1/16W
R350	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R473	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R351	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R474	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R352	NRSA63J-103X	M.G.RESISTOR	10k	1/16W					
R357	NRSA63J-102X	M.G.RESISTOR	1k	1/16W	R475	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R358	NRSA63J-472X	M.G.RESISTOR	4.7k	1/16W	R476	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
					R477	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R401	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R478	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R402	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W	R479	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R405	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R480	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R406	NRSA63J-101X	M.G.RESISTOR	100	1/16W	R481	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R407	NRSA63J-101X	M.G.RESISTOR	100	1/16W	R482	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R408	NRSA63J-101X	M.G.RESISTOR	100	1/16W	R483	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W
R409	NRSA63J-101X	M.G.RESISTOR	100	1/16W	R484	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W
R410	NRSA63J-101X	M.G.RESISTOR	100	1/16W	11404	11110/4000-002/	W.G.NESISTOR	J.JK	171000
R411	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W	R485	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W
			100	1/16W	R486				.,
R412	NRSA63J-101X	M.G.RESISTOR	100	1/1000		NRSA63J-101X	M.G.RESISTOR	100	1/16W
D440	NID CARRIAGAN	NA O DECISTOR	100	4.44.00.4.1	R487	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R413	NRSA63J-101X	M.G.RESISTOR	100	1/16W	R488	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R415	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R489	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R416	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R490	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R417	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	R491	NRSA63J-330X	M.G.RESISTOR	33	1/16W
R418	NRSA63J-101X	M.G.RESISTOR	100	1/16W	R492	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R419	NRSA63J-101X	M.G.RESISTOR	100	1/16W	R493	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R420	NRSA63J-101X	M.G.RESISTOR	100	1/16W	R494	NRSA63J-101X	M.G.RESISTOR	100	1/16W
R421	NRSA63J-101X	M.G.RESISTOR	100	1/16W					
R422	NRSA63J-101X	M.G.RESISTOR	100	1/16W	R495	NRSA63D-273X	M.G.RESISTOR	27k	1/16W
R423	NRSA63J-101X	M.G.RESISTOR	100	1/16W	R501	NRSA63J-333X	M.G.RESISTOR	33k	1/16W
				.,					", "=""
R424	NRSA63J-101X	M.G.RESISTOR	100	1/16W	1				
R425	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W	RA101	NRZ0015-102X	RESISTOR ARRAY	1k	
R426	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W	RA102	NRZ0015-103X	M.G.RESISTOR	10k	]
R427	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W	RA103	NRZ0015-103X	M.G.RESISTOR	10k	
R428	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W	RA104	NRZ0015-330X	RESISTOR ARRAY	33	
R429	NRSA63J-101X	M.G.RESISTOR	100	1/16W	RA104	NRZ0015-330X		33	i
R430	NRSA63J-101X		100				RESISTOR ARRAY		
		M.G.RESISTOR		1/16W	RA106	NRZ0015-330X	RESISTOR ARRAY	33	
R431	NRSA63J-101X	M.G.RESISTOR	100	1/16W	RA107	NRZ0015-330X	RESISTOR ARRAY	33	
	NRSA63J-332X	M.G.RESISTOR	3.3k	1/16W		NRZ0015-101X	RESISTOR ARRAY	100	
R433	NRSA63J-101X	M.G.RESISTOR	100	1/16W		NRZ0015-101X	RESISTOR ARRAY	100	l
D.40.	NDONGOLOGIC	14.0 050:070-	400		KA403	NRZ0015-101X	RESISTOR ARRAY	100	
R434	NRSA63J-101X	M.G.RESISTOR	100	1/16W	4				1
R435	NRSA63J-101X	M.G.RESISTOR	100	1/16W	Ι.				
R436	NRSA63J-101X	M.G.RESISTOR	100	1/16W	C1	NCB31CK-104X	CER.CAPACITOR	0.1	16V
R437	NRSA63J-101X	M.G.RESISTOR	100	1/16W	C2	NCB31CK-104X	CER.CAPACITOR	0.1	16V
R438	NRSA63J-101X	M.G.RESISTOR	100	1/16W	C3	NCB31CK-104X	CER.CAPACITOR	0.1	16∀
R439	NRSA63J-101X	M.G.RESISTOR	100	1/16W	C4	NCB31CK-104X	CER.CAPACITOR	0.1	16V
R440	NRSA63J-101X	M.G.RESISTOR	100	1/16W	C5	NCB31CK-104X	CER.CAPACITOR	0.1	16V
R441	NRSA63J-101X	M.G.RESISTOR	100	1/16W		NCB31CK-104X	CER.CAPACITOR	0.1	16V
R442	NRSA63J-101X	M.G.RESISTOR	100	1/16W	C7	NCB31CK-223X	CER.CAPACITOR	0.022	16V
R443	NRSA63J-101X	M.G.RESISTOR	100	1/16W	C8	NCB31CK-104X	CER.CAPACITOR	0.1	167
				.,	C9	NCB31CK-104X	CER.CAPACITOR	0.1	16V
R444	NRSA63J-101X	M.G.RESISTOR	100	1/16W	C10	NBE21AM-106X	TAN.CAPACITOR	10	10V
R445	NRSA63J-101X	M.G.RESISTOR	100	1/16W	610	TADES IMIVE 100A	IAN. CAFACITOR	1'0	100
					C11	NCB31CV 104V	CED CADACITOD	0.1	101/
	NRSA63J-101X	M.G.RESISTOR	100	1/16W		NCB31CK-104X	CER.CAPACITOR	0.1	16V
	NRSA63J-101X	M.G.RESISTOR	100	1/16W		NCB31CK-104X	CER.CAPACITOR	0.1	16V
	NRSA63J-101X	M.G.RESISTOR	100	1/16W	C13	NBE21AM-106X	TAN.CAPACITOR	10	10V
	NRSA63J-101X	M.G.RESISTOR	100	1/16W		NCB31CK-104X	CER.CAPACITOR	0.1	16V
	NRSA63J-101X	M.G.RESISTOR	100	1/16W	C15	NCB31CK-104X	CER.CAPACITOR	0.1	16V
	NRSA63J-101X	M.G.RESISTOR	100	1/16W	C16	NBE41CM-106X	TAN.CAPACITOR	10	16V
	NRSA63J-101X	M.G.RESISTOR	100	1/16W	C17	NCB31CK-104X	CER.CAPACITOR	0.1	16V
R453	NRSA63J-103X	M.G.RESISTOR	10k	1/16W	C18	NCB31CK-104X	CER.CAPACITOR	0.1	16V
				- 1	C19	NBE41CM-106X	TAN.CAPACITOR	10	16V
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Symbol No.	Part No.	Part Name	Description
C20	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C21 C22 C23 C24 C25 C26 C27 C28 C29 C30	NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NDC31HJ-221X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X	CER.CAPACITOR	0.1 16V 0.1 16V 0.1 16V 0.1 16V 220p 50V 0.1 16V 1000p 50V 0.1 16V 0.1 16V 0.1 16V
C31 C32 C33 C34 C35 C101 C102 C103 C104 C106	NCB11CK-475X NCB31CK-104X NCB31CK-104X NCB11CK-475X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31HK-103X NDC31HJ-151X NCB30JK-105X	CER.CAPACITOR	4.7 16V 0.1 16V 4.7 16V 0.1 16V 0.1 16V 0.1 16V 0.1 16V 0.1 16V 0.1 50V 150p 50V 1 6.3V
C108 C109 C110 C111 C112 C113 C114 C115 C116	NCB31CK-104X NBE21AM-106X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X	CER.CAPACITOR TAN.CAPACITOR CER.CAPACITOR	0.1 16V 10 10V 0.1 16V 0.1 16V 0.1 16V 0.1 16V 0.1 16V 0.1 16V 0.1 16V 0.1 16V 0.1 16V
C118 C119 C120 C121 C122 C123 C124 C125 C126 C127	NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NDC31HJ-120X NDC31HJ-120X NCB31CK-104X NCB31CK-104X NDC31HJ-390X NDC31HJ-390X NDC31HJ-102X	CER.CAPACITOR	0.1 16V 0.1 16V 0.1 16V 0.1 16V 12p 50V 12p 50V 0.1 16V 0.1 16V 0.1 16V 39p 50V 1000p 50V
C128 C129 C130 C131 C133 C135 C136 C137 C138 C139	NCB31CK-104X NCB31CK-104X NCB11CK-105X NCB11CK-475X NDC31HJ-271X NCB31CK-473X NCB31HK-222X NCB31CK-104X NCB31CK-104X NCB31HK-102X	CER.CAPACITOR	0.1 16V 0.1 16V 1 16V 4.7 16V 270p 50V 0.047 16V 2200p 50V 0.1 16V 0.1 16V 1000p 50V
C140 C141 C142 C143 C144 C145 C146 C147 C148 C149	NDC31HJ-390X NCB31HK-102X NDC31HJ-390X NDC31HJ-6R0X NDC31HJ-6R0X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X	CER.CAPACITOR	39p 50V 1000p 50V 39p 50V 6p 50V 0.1 16V 0.1 16V 0.1 16V 0.1 16V 0.1 16V
C150 C151 C152 C154 C155 C156 C301 C302 C303 C304	NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31HK-103X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-105X NCB31CK-104X	CER.CAPACITOR	0.1 16V 0.1 16V 0.1 16V 0.01 50V 0.1 16V 0.1 16V 0.1 16V 0.1 16V 0.1 16V 1 10V 1 10V
C305	NCF31AZ-105X	CER.CAPACITOR	1 10V

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Symbol No.	Part No.	Part Name	Desçi	ription
C306	NDC31HJ-150X	CER.CAPACITOR	15p	50V
C307	NDC31HJ-150X	CER.CAPACITOR	15p	50V
C308	NCF31AZ-105X	CER.CAPACITOR	1	10V
C309	NCB31CK-104X	CER.CAPACITOR	0.1	16V 16V
C310 C311	NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR	0.1	10V
312	NCF31AZ-105X NCB31CK-104X	CER.CAPACITOR	0.1	16V
313	NDC31HJ-220X	CER.CAPACITOR	22p	50V
314	NCB31CK-104X	CER.CAPACITOR	0.1	16V
101	NCB31CK-104X	CER.CAPACITOR	0.1	16V
102	NBE41CM-106X	TAN.CAPACITOR	10	16V
103	NCB31CK-104X	CER.CAPACITOR	0.1	16V
406	NBE21AM-106X	TAN.CAPACITOR	10	10V
107	NCB31CK-104X	CER.CAPACITOR	0.1	16V 16∨
108 109	NCB31CK-104X NBE21AM-106X	CER.CAPACITOR	10	10V
110	NCB31CK-104X	CER.CAPACITOR	0.1	16V
411	NCB11CK-105X	CER.CAPACITOR	1	16V
412	NCB31HK-103X	CER.CAPACITOR	0.01	50V
13	NBE21AM-106X	TAN.CAPACITOR	10	10V
114	NRSA63J-222X	M.G.RESISTOR	2200p	
415	NBE21AM-106X	TAN.CAPACITOR	10	10V
416	NCB31CK-104X	CER.CAPACITOR	0.1	16V
419	NBE21AM-106X	TAN.CAPACITOR	10	10V
120	NCB31CK-104X	CER.CAPACITOR	0.1	16∀ 16∀
421 422	NCB31CK-104X NBE21AM-106X	CER.CAPACITOR	10	10V
423	NCB31CK-104X	CER.CAPACITOR	0.1	16V
424	NBE21AM-106X	TAN.CAPACITOR	10	10V
25	NCB31CK-104X	CER.CAPACITOR	0.1	16V
26	NBE21AM-106X	TAN.CAPACITOR	10	10V
27	NCB31CK-104X	CER.CAPACITOR	0.1	16V
128	NBE21AM-106X	TAN.CAPACITOR	10	10V
29	NCB31CK-104X	CER.CAPACITOR	0.1	16V
130	NCB31CK-104X	CER.CAPACITOR	0.1	16V
132	NCB11CK-105X	CER.CAPACITOR	1	16V
133 134	NCB11CK-105X NBE21AM-106X	CER.CAPACITOR TAN.CAPACITOR	1 10	16V 10V
135	NBE21AM-106X	TAN.CAPACITOR	10	10V
36	NCB31CK-104X	CER.CAPACITOR	0.1	16V
37	NCB31CK-104X	CER.CAPACITOR	0.1	16V
38	NCB31CK-223X	CER.CAPACITOR	0.022	16V
139	NCB31CK-223X	CER.CAPACITOR	0.022	16V
42	NCB31CK-223X	CER.CAPACITOR	0.022	16V
43	NCB31CK-223X	CER.CAPACITOR	0.022	16V
44	NCB31CK-223X	CER.CAPACITOR	0.022	16V
145 146	NCB31CK-223X NCB31HK-103X	CER.CAPACITOR	0.022	16V 50V
46 47	NCB31CK-103X	CER.CAPACITOR	0.01	16V
48	NCB31CK-104X	CER.CAPACITOR	0.1	16V
149	NCB31HK-102X	CER.CAPACITOR	1000p	50V
450	NCB31HK-102X	CER.CAPACITOR	1000p	50V
151	NCB31CK-104X	CER.CAPACITOR	0.1	16V
452	NBE21AM-106X	TAN.CAPACITOR	10	10V
153	NCB31CK-104X	CER.CAPACITOR	0.1	16V
1	NQL044K-100X	COIL	10uH	
2	NQL044K-100X	COIL	10uH	
3	NQL044K-100X	COIL	10uH	
4	NQL044K-100X	COIL	10uH	
101	NQL024J-2R2X	COIL	2.2uH	
102	NQR0276-001X	COIL	000uH	
103	NQL024J-120X NQL024J-100X	COIL	12uH 10uH	
.104 .105	NQL024J-100X NQL044K-100X	COIL	10uH	
102	NQL044K-100X	COIL	10uH	
03	NQL044K-100X	COIL	10uH	
404	NQL044K-100X	COIL	10uH	
405	NQL044K-100X	COIL	10uH	
406	NQL044K-100X	COIL	10uH	
.408	NQL044K-100X	COIL	10uH	
	1	1		

### [DV/CPU]

Symbol No.	Part No.	Part Name	Description
LC401	NQR0436-001X	LC FILTER	
LC402	NQR0436-001X	LC FILTER	
LC403	NQR0436-001X	LC FILTER	
LC404	NQR0436-001X	LC FILTER	
LC405	NQR0436-001X	LC FILTER	
X102	NAX0206-001X	CRYSTAL	24.576MHz
X301	NAX0348-001X	CRYSTAL	27.000MHz
CN102 CN103 CN104 CN105	QGA1201F2-06X QGF0508C1-30W QGF0508C1-45W QGF0508C1-13W QGF0508C1-26W QGF0508C1-20W QGF0503F4-08X QGA1501F2-08W	CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR	6PIN 30PIN 45PIN 13PIN 26PIN 20PIN 8PIN 8PIN
TP1	NNZ0071-001X	TEST POINT	
TP2	NNZ0071-001X	TEST POINT	
TP3	NNZ0071-001X	TEST POINT	
K1	NQR0265-001X	FERAITE BEADS	
K101	NQR0265-001X	FERAITE BEADS	
K103	NQR0265-001X	FERAITE BEADS	
K401	NQR0265-001X	FERAITE BEADS	
K402	NQR0265-001X	FERAITE BEADS	

# 6.12 MDA/DC BOARD ASSEMBLY PARTS LIST 12 LK2124A0B

Symbol No.	Part No.	Part Name	Description
IC11 IC12 IC21 IC22 IC23 IC31 IC32 IC41 IC42 IC43	BA6865KV BA6417F-X BA6862FS-X BA10358F-XE BA10393F-XE BA9743AFV-X BA9743AFV-X BA9743AFV-X MM1572KN-X MM1572FN-X	I.C.(M)	ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM
Q11 Q12 Q13 Q14 Q15 Q21 Q22 Q23 Q31 Q32	2SB1302/ST/-X 2SB1302/ST/-X 2SB1302/ST/-X 2SC4081/QRS/-X 2SC4081/QRS/-X 2SB1302/ST/-X 2SB1302/ST/-X 2SB1302/ST/-X 2SB1302/ST/-X 2SB1302/ST/-X 2SJ484WY-X	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR FET FET	SANYO SANYO SANYO ROHM ROHM SANYO SANYO SANYO HITACHI HITACHI
Q33 Q34 Q35 Q36 Q37 Q41 Q42 Q43 Q44 Q45	2SJ484WY-X DTC124EUA-X 2SB1302/ST/-X 2SJ484WY-X DTA114EUA-X 2SJ484WY-X 2SJ484WY-X 2SC4097/OR/-X 2SC4097/OR/-X 2SC4097/QR/-X	FET TRANSISTOR TRANSISTOR FET TRANSISTOR FET FET TRANSISTOR TRANSISTOR TRANSISTOR	HITACHI ROHM SANYO HITACHI ROHM HITACHI HITACHI ROHM ROHM

Symbol No.	Part No.	Part Name	Description	
Q46 Q51 Q52 Q53 Q54 Q55 Q56 Q57 Q58	2SA1577/QR/-X 2SC4097/QR/-X 2SC4097/QR/-X 2SC4097/QR/-X 2SA1577/QR/-X 2SC4097/QR/-X 2SA1577/QR/-X 2SC4097/QR/-X 2SA1577/QR/-X	TRANSISTOR	ROHM ROHM ROHM ROHM ROHM ROHM ROHM ROHM	
D11 D12 D13 D22 D31 D32 D33 D34 D35 D36	DAP222-X MA3110/L/-X DAP222-X MA3020-X SFPB-72-W SFPB-72-W DAP202U-X SFPB-72-W DA204U-X SFPB-72-W	DIODE ZENER DIODE DIODE ZENER DIODE SB DIODE SB DIODE SB DIODE	ROHM MATSUSHITA ROHM MATSUSHITA SANKEN SANKEN ROHM SANKEN ROHM SANKEN ROHM SANKEN	
D37 D41 D42	DAP202U-X SFPB-72-W SFPB-72-W	DIODE SB DIODE SB DIODE	ROHM SANKEN SANKEN	
R101 R102 R103 R104 R105 R106 R107 R108 R109 R110	NRSA63J-155X NRSA63J-274X NRSA63J-681X NRSA63J-611X NRSA63J-511X NRSA63J-511X NRSA63J-511X NRSA63J-511X NRSA63J-511X NRSA63J-511X NRSA63J-223X	M.G.RESISTOR	1.5M 1/16W 270k 1/16W 680 1/16W 2.7k 1/16W 100k 1/16W 510 1/16W 510 1/16W 510 1/16W 510 1/16W 510 1/16W 510 1/16W 22k 1/16W	
R111 R112 R113 R114 R115 R116 R117 R118 R120 R121	NRV142F-R22X NRS12BK-R68X NRSA63J-0R0X NRSA63J-154X NRSA63J-202X NRSA63J-202X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-473X	C.M.F.RESISTOR M.G.RESISTOR	0.22 1/4W 0.68 1/2W 0 1/16W 150k 1/16W 2k 1/16W 470k 1/16W 10k 1/16W 10k 1/16W 10k 1/16W 47k 1/16W	
R122 R123 R124 R125 R126 R127 R128 R131 R132 R133	NRSA63J-203X NRSA63J-393X NRSA63J-102X NRSA63J-102X NRSA63J-274X NRSA63J-272X NRSA63J-0R0X NRSA63J-103X NRSA63J-103X NRSA63J-103X	M.G.RESISTOR	20k 1/16W 39k 1/16W 1k 1/16W 270k 1/16W 2.7k 1/16W 0 1/16W 10k 1/16W 2.2k 1/16W 10k 1/16W	
R134 R135 R136 R138 R139 R201 R202 R203 R204 R205	NRSA63J-472X NRSA63J-104X NRSA63J-104X NRSA63J-108X NRS12BK-R68X NRSA63J-103X NRSA63J-474X NRSA63J-104X NRSA63J-124X NRSA63J-124X NRSA63J-153X	M.G.RESISTOR	4.7k 1/16W 100k 1/16W 100k 1/16W 0 1/16W 0.68 1/2W 10k 1/16W 470k 1/16W 100k 1/16W 120k 1/16W 15k 1/16W	
R206 R207 R208 R209 R210 R211 R212 R213	NRSA63J-154X NRSA63J-272X NRSA63J-103X NRS144J-1R0X NRS144J-1R0X NRSA63J-103X NRSA63J-393X NRSA63J-102X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	150k 1/16W 2.7k 1/16W 10k 1/16W 1 1/4W 1 1/4W 10k 1/16W 39k 1/16W 1k 1/16W	

Symbol No.	Part No.	Part Name	Descrip	tion
	LIDO 4 00 L 070V	A O DECICTOR	071.	1/10/4/
R214 R215	NRSA63J-273X NRSA63J-103X	M.G.RESISTOR M.G.RESISTOR	27k 10k	1/16W 1/16W
R216	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
R217	NRSA63J-121X	M.G.RESISTOR	120	1/16W
	the second second second	M.G.RESISTOR	120	1/16W
R218	NRSA63J-121X		10k	
R219	NRSA63J-103X	M.G.RESISTOR		1/16W
R220	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R221	NRSA63J-474X	M.G.RESISTOR	470k	1/16W
R222	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R223	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R224	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R225	NRSA63J-563X	M.G.RESISTOR	56k	1/16W
R226	NRSA63J-105X	M.G.RESISTOR	1M	1/16W
R227	NRSA63J-105X	M.G.RESISTOR	1 <b>M</b>	1/16W
R228	NRSA63J-105X	M.G.RESISTOR	1M	1/16W
R229	NRSA63J-105X	M.G.RESISTOR	1M	1/16W
R230	NRSA63J-105X	M.G.RESISTOR	1M	1/16W
R301	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R302	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R303	NRSA63D-103X	M.G.RESISTOR	10k	1/16W
R304	NRSA63D-103X	M.G.RESISTOR	10k	1/16W
R305	NRSA63J-333X	M.G.RESISTOR	33k	1/16W
R306	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
R307	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
R308	NRSA63J-683X	M.G.RESISTOR	68k	1/16W
R309	NRSA63J-562X	M.G.RESISTOR	5.6k	1/16W
R310	NRSA63J-153X	M.G.RESISTOR	15k	1/16W
R311	NRSA63J-393X	M.G.RESISTOR	39k	1/16W
R312	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
R313	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
R314	NRSA63J-153X	M.G.RESISTOR	15k	1/16W
R315	NRSA63J-562X	M.G.RESISTOR	5.6k	1/16W
R316	NRSA63J-104X	M.G.RESISTOR	100k	1/16W
R317	NRSA63J-823X	M.G.RESISTOR	82k	1/16W
R318	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R319	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R320	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R321	NRSA63D-103X	M.G.RESISTOR	10k	1/16W
R322	NRSA63D-103X	M.G.RESISTOR	10k	1/16W
R323	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
R324	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
R325	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R326	NRSA63J-472X	M.G.RESISTOR	4.7k	1/16W
R327	NRSA63J-152X	M.G.RESISTOR	1.5k	1/16W
R328	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R329	NRSA63J-563X	M.G.RESISTOR	56k	1/16W
R330	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R331	NRSA63J-473X	M.G.RESISTOR	47k	1/16W
R332	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R333	NRSA63J-222X	M.G.RESISTOR	2.2k	1/16W
R334	NRSA63J-102X	M.G.RESISTOR	1k	1/16W
R335	NRSA63J-333X	M.G.RESISTOR	33k	1/16W
R336	NRSA63J-562X	M.G.RESISTOR	5.6k	1/16W
R337	NRSA63J-223X	M.G.RESISTOR	22k	1/16W
R338	NRSA63J-333X	M.G.RESISTOR	33k	1/16W
R339	NRSA63J-563X	M.G.RESISTOR	56k	1/16W
R340	NRSA63J-823X	M.G.RESISTOR	82k	1/16W
R341	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R342	NRSA63J-100X	M.G.RESISTOR	10	1/16W
R343	NRSA63J-100X	M.G.RESISTOR	10	1/16W
R344	NRSA63J-100X	M.G.RESISTOR	10	1/16W
R345	NRSA63J-100X	M.G.RESISTOR	10	1/16W
R346	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R351	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R401	NRSA63J-103X	M.G.RESISTOR	10k	1/16W
R402	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R403	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R404	NRSA63D-472X	M.G.RESISTOR	4.7k	1/16W
R405	NRSA63D-332X	M.G.RESISTOR	3.3k	1/16W
R406	NRSA63D-472X	M.G.RESISTOR	4.7k	1/16W
R407	NRSA63D-472X	M.G.RESISTOR	4.7k	1/16W
R408	NRSA63D-473X	M.G.RESISTOR	47k	1/16W .
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Symbol No.	Part No.	Part Name	Desc	ription
R409 R410 R411 R412 R413 R414 R415 R416	NRSA63D-273X NRSA63J-222X NRSA63J-102X NRSA63D-182X NRSA63D-182X NRSA63D-122X NRSA63D-122X NRSA63J-222X NRSA63J-222X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	27k 2.2k 1k 1.8k 1.8k 1.2k 2.2k	1/16W 1/16W 1/16W 1/16W 1/16W 1/16W 1/16W
R417 R418 R419	NRSA63D-562X NRSA63D-272X NRSA63J-330X	M.G.RESISTOR M.G.RESISTOR M.G.RESISTOR	5.6k 2.7k 33	1/16W 1/16W 1/16W
R420 R421	NRSA63J-100X NRSA63J-100X	M.G.RESISTOR M.G.RESISTOR	10 10	1/16W 1/16W
C104 C105 C106 C107 C108 C109 C120 C121 C122 C123	NBE21AM-106X NEH91CM-106X NCB31CK-104X NCB31HK-152X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X	TAN.CAPACITOR E.CAPACITOR CER.CAPACITOR	10 10 0.1 1500p 0.01 0.01 0.01 0.01 0.01	10V 16V 16V 50V 50V 50V 50V 50V 50V
C124 C125 C126 C127 C128 C129 C130 C131 C132 C133	NCB31HK-103X NCB31HK-103X NCB31CK-104X NCB31AK-224X NCB31AK-224X NCB31AK-224X NEH91CM-106X NCB31CK-104X NCB31CK-104X NCB31CK-104X	CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR E.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR	0.01 0.01 0.1 0.22 0.22 0.22 10 0.1 0.1	50V 50V 16V 10V 10V 16V 16V 16V 16V
C134 C135 C136 C137 C138 C139 C140 C142 C143 C144	NCB31CK-223X NCB31CK-223X NCB31CK-223X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31CK-223X NCB31CK-473X	CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR E.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR	0.022 0.022 0.022 0.1 0.1 22 0.1 0.1 0.022 0.047	16V 16V 16V 16V 16V 6.3V 16V 16V 16V
C145 C147 C148 C149 C156 C157 C158 C159 C160 C201	NCB31CK-104X NCB11CK-105X NCB31CK-104X NEH90JM-226X NCB11CK-105X NDC31HJ-102X NCB31CK-223X NCB31CK-223X NDC31HJ-471X NCB31CK-223X	CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR E.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR CER.CAPACITOR	0.1 1 0.1 22 1 1000p 0.022 0.022 470p 0.022	16V 16V 16V 6.3V 16V 50V 16V 50V 16V
C202 C203 C204 C205 C206 C207 C209 C210 C211 C212	NEH91CM-106X NCB31CK-223X NCB31CK-104X NCB31HK-153X NCB31CK-273X NCB31CK-104X NCF31AZ-105X NCB31CK-104X NCB31CK-223X NCB31CK-223X	E.CAPACITOR CER.CAPACITOR	10 0.022 0.1 0.015 0.027 0.1 1 0.1 0.022 0.022	16V 16V 16V 50V 16V 16V 16V 16V 16V
C213 C214 C215 C216 C217 C218 C219 C220 C221	NCB31CK-223X NCB31CK-104X NCB31CK-104X NCB31CK-104X NCB31AZ-105X NCB31HK-103X NCB31HK-103X NCF31AZ-105X NCB31HK-103X	CER.CAPACITOR	0.022 0.1 0.1 0.1 1 0.01 0.01 1 0.01	16V 16V 16V 16V 10V 50V 50V 10V

Symbol	Part No.	Part Name	Description
No.			
C301	NEH91VM-106X	E.CAPACITOR	
C303	NDC31HJ-221X	CER.CAPACITOR	220p 50V
C304	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C305	NCB11CK-475X	CER.CAPACITOR	4.7 16V
C306	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C307	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C308	NCB11CK-105X	CER.CAPACITOR	1 16V
C309	NBE21DM-475X	TAN.CAPACITOR	4.7 20V
C311	NCB11CK-105X	CER.CAPACITOR	1 16V
C312	NBE21DM-475X	TAN.CAPACITOR	4.7 20V
C313	NDC31HJ-102X	CER.CAPACITOR	1000p 50V
C314	NDC31HJ-221X	CER.CAPACITOR	220p 50V
C315	NCB31CK-104X	CER.CAPACITOR	0.1 16V
C316 C317	NCB11CK-475X	CER.CAPACITOR	4.7 16V 0.1 16V
	NCB31CK-104X	CER.CAPACITOR	
C318	NCB31CK-104X	CER.CAPACITOR	
C319	NCB11CK-105X	CER.CAPACITOR	1 16V
C320	NCB11CK-475X	CER.CAPACITOR	4.7 16V
C321 C322	NCB11CK-105X NCB11CK-475X	CER.CAPACITOR	1 16V 4.7 16V
C322	NDC31HJ-102X	CER.CAPACITOR	1000p 50V
			,
C401	NDC31HJ-221X	CER.CAPACITOR	220p 50V
C402	NCB31HK-103X	CER.CAPACITOR	0.01 50V
C403	NCB11CK-475X	CER.CAPACITOR	4.7 16V
C404	NCB31HK-103X	CER.CAPACITOR	0.01 50V
C405	NCF31AZ-105X	CER.CAPACITOR	1 10V
C407	NCF11CZ-225X	CER.CAPACITOR	2.2 16V
C408	NCF31AZ-105X	CER.CAPACITOR	1 10V
C409	NCB11CK-105X	CER.CAPACITOR	1 16V
C410	NCB10JK-106X	CER.CAPACITOR	10 6.3V
C411	NCB10JK-106X	CER.CAPACITOR	10 6.3V
C412	NCB10JK-106X	CER.CAPACITOR	10 6.3V
C413	NCB31AK-224X	CER.CAPACITOR	0.22 10V
C414	NCB10JK-106X	CER.CAPACITOR	10 6.3V
C415	NCB10JK-106X	CER.CAPACITOR	10 6.3V
C416	NCB11CK-105X	CER.CAPACITOR	1 16V
C417	NBE21AM-106X	TAN.CAPACITOR	10 10V
C418	NBE21AM-106X	TAN.CAPACITOR	10 10V
C419	NBE21AM-106X	TAN.CAPACITOR	10 10V
C420	NCB31AK-224X	CER.CAPACITOR	0.22 10V
C421	NCB10JK-106X	CER.CAPACITOR	10 6.3V
C422	NCB31HK-103X	CER,CAPACITOR	0.01 50V
C423	NBE21AM-106X	TAN.CAPACITOR	10 10V
C424	NBE21AM-106X	TAN.CAPACITOR	10 10V
C425	NCB31HK-103X	CER,CAPACITOR	0.01 50V
C426	NBE21AM-106X	TAN.CAPACITOR	10 10V
C427	NBE21AM-106X	TAN.CAPACITOR	10 10V
L21	NQL24CN-220X	COIL	22uH
L31	NQL42EM-220X	COIL	22uH
L33	NQL24CN-220X	COIL	22uH
L34	NQL24CN-220X	COIL	22uH
L35	NQL24CN-220X	COIL	22uH
L36	NQL24CN-220X	COIL	22uH
L41	NQL24CN-220X	COIL	22uH
L42	NQL24CN-220X	COIL	22uH
L43	NQL24CN-220X	COIL	22uH
L44	NQL24CN-220X	COIL	22uH
L45	NQL24CN-220X	COIL	22uH
LC11	NQR0436-001X	LC FILTER	
!F1	NMFZ011-1R6X-S	FUSE	1.6A/63V
CNIAGE	00505004 5044	COMMECTOR	CODIN
CN105	QGF0508C1-26W	CONNECTOR	26PIN
CN108		CONNECTOR	8PIN
CN111	SS30662-004	CONNECTOR	4PIN
	QGF0508C1-12W	CONNECTOR CONNECTOR	12PIN 18PIN
CN113 CN114	QGF0508C1-18W QGA1201C2-02X	CONNECTOR	2PIN
CNTT4	QQA 1201C2-02X	CONNECTOR	25114

Symbol No.	Part No.	Part Name	De	scription
CN117	QGF0508C1-20W QGA1501C2-02W QGA1201C2-02X NRSA63J-0R0X BA6254FS-X	CONNECTOR CONNECTOR CONNECTOR M.G.RESISTOR TR ARRAY	20PIN 2PIN 2PIN 0	1/16W

# 6.13 MECHA BOARD ASSEMBLY PARTS LIST 13 LK2123A0A1 13

Symbol No.	Part No.	Part Name	Description
VR1	NVQ0006-B14X	VAL.RESISTOR	10k MODE SENSOR
TH1	NAD0002-223X	THERMISTOR	22k
S1 S2 S3	NSW0171-001 NSW0170-001 NSW0170-001	PUSH SWITCH PUSH SWITCH PUSH SWITCH	STD CASSETTE SW SP REEL LOCK SW CASSETTE IN SW
CN116 CN124 CN125	QGF0508F1-13X QGF0508F1-20X QGF0508F1-20X QGF0508F1-18X QGF0508F2-10X QGA1201C2-02X	CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR	13PIN 20PIN 20PIN 18PIN 10PIN 2PIN

# 6.14 MECHA CONN BOARD ASSEMBLY PARTS LIST 14 LK2123B0A2 14 .....

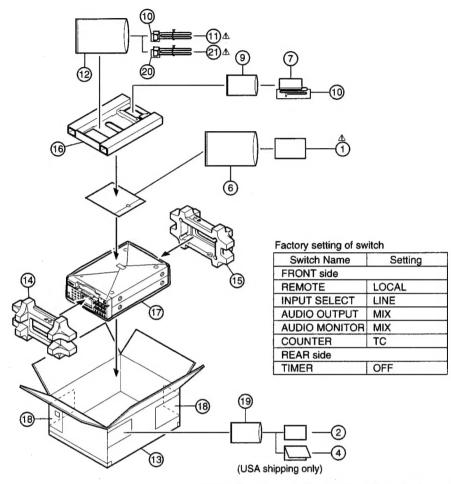
Symbol No.	Part No.	Part Name	Description
	QGF0508F1-11X	CONNECTOR	11PIN
	QGF0508C1-12W	CONNECTOR	12PIN

# 

Symbol No.	Part No.	Part Name	Description
D1	MA3240/M/-X	ZENER DIODE	MATSUSHITA
D2	MA3240/M/-X	ZENER DIODE	MATSUSHITA
D3	MA3240/M/-X	ZENER DIODE	MATSUSHITA
D4	MA3240/M/-X	ZENER DIODE	MATSUSHITA
D5	MA3240/M/-X	ZENER DIODE	MATSUSHITA
D6	MA3240/M/-X	ZENER DIODE	MATSUSHITA
D7	MA3240/M/-X	ZENER DIODE	MATSUSHITA
D8	MA3240/M/-X	ZENER DIODE	MATSUSHITA
J401	QNZ0475-001	9 PIN CONNECTOR	RS-422/9PIN
CN17	QGA1501F1-07	CONNECTOR	7PIN
K1 K2	PGZ01693-009Z PGZ01693-009Z	FERRITE BEADS FERRITE BEADS	

# **SECTION 7 PACKING**

# 7.1 PACKING ASSEMBLY M 1



Note: Accessories above are subject to change without notice.

### PAKING PARTS LIST M1

E PA	PAKING PARTS LIST M1 M1MM					
	nbol o.	Part No.	Part Name	Description		
<u>A</u>	1 1 2 4 6	LLT0033-001A LLT0034-001A - - QPB02403404	INSTRUCTIONS INSTRUCTIONS SERVICE INFORMATION CARD WARRANTY CARD PLASTIC BAG	U MODEL E MODEL U MODEL U MODEL		
<b>A</b>	7 7 9 10 11	AA-G60U AA-G60E QPA01202005 PUP40003-7 QMPE230-244-K2	AC ADAPTOR AC ADAPTOR PLASTIC BAG AIR CAP POWER CORD	U MODEL E MODEL U MODEL		
Δ	11 12 13 14 15	LL10079-001B	POWER CORD PLASTIC BAG PACKING CASE CUSHION CUSHION	E MODEL		
	16 17 18 19 20	LL10081-001A PRD30077-10 SC32090-004 - PRD30413-13	PACKING CASE PLASTIC BAG LABEL SHEET PLASTIC BAG AIR CAP	x2 U MODEL E MODEL		
Δ	21	QMP4250-250	POWER CORD	E MODEL		

# SECTION 8 DV SPECIFICATION COMPARISON

No	ltem	BR-DV6000	BR-DV600 (A)	BR-DV3000
1	Playback (Format)	DV/DVCAM	DV	DV/DVCAM
2	Recording (Format)	DV	DV	DV
3	Search Speed	(1/30), 1/10 ,1/5, 1/3, 1/2, 1, 2, 5, 10(NTSC 9), 20X	1/10, 1/5, 1/2, 1, 5, 10X	(1/30), 1/10 ,1/5, 1/3, 1/2, 1, 2, 5, 10(NTSC 9), 20X
4	Field/Frame select	Frame/Field/1st field/2nd field	No	Frame/Field/1st field/2nd field
5	Editing Function	Yes (Under certain condition)	No	No
6	"PB/EE picture switchingat edit point"	Yes (4frames delay in analoginterface)	No	No
7	NTSC/PAL compatibility	Yes	No	Yes
8	Status display	Yes (2.5"LCD display:TC/UB/A.level etc)	Yes (LCD:TC/UB/A.level etc)	No
9	Replication mode	Yes	No	No
10	Repeat playback	Yes (Tape end/Video end/Index)	Yes (Tape end)	Yes (Tape end/Video end/Index)
11	Network connectivity	Yes (SA-DV6000)	No	No
12	Cassette tape	Standard/Mini DV tape	Mini DV tape	Standard/Mini DV tape
13	REC/PB time	270min (ME270)/60min(ME60)	60min (ME60)	270min (ME270)/60min(ME60)
14	Weight	4.5Kg	3.6Kg	2.5Kg
15	Dimensions	212x88x327mm	212x88x325mm	174x68x260mm
16	Power requirements	DC12V	DC12V (11-15V) AC100-120V : U model AC220-240V : E model	DC12V
17	Power consumption	24W (option 41Wmax)	27W	13W
18	Audio input	Yes (RCAx2/XLRx2:option)	Yes (RCAx2)	Yes (RCAx2)
19	Audio output	Yes (RCAx2/XLRx2:option)	Yes (RCAx2)	Yes (RCAx2)
20	Remote input	RS-422 : D-SUB 9pin female RS-232C : D-SUB 9pin male (option) JVC BUS : 12pin	RS-422 : D-SUB 9pin female JVC BUS : 12pin SERIAL : Minijack	RS-422 : D-SUB 9pin female SERIAL : Minijack
21	TC IN	Yes (BNC)	No	No
22		Yes (BNC)	Yes (BNC)	No
23	AC input	No	Yes (3-plugx1)	No
24	DC input	Yes (2-pinx1)	Yes (XLR 4-pinx1)	Yes (2-pinx1)
25	Provided accessories	AC adapter	AC cable	AC adapter